



POA VALIDATION REPORT

ANDES MAINSTREAM SPA.

IMPLEMENTATION OF GRID CONNECTED WIND
FARM PROJECTS IN CHILE

Report No: 8000408766– 12/315

Date: 2012-11-20

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PoA Validation Report:	Report No.	Rev. No.	Date of 1st issue:	Date of this rev.
	8000408766– 12/315	0	2012-11-20	2012-11-20
PoA:	Title:		Initial PoA-DD Version:	Final PoA-DD Version
	Implementation of Grid connected Wind Farm Projects in Chile		2012-05-18 – v. 01	2012-10-05 – v. 03
Generic CPA:	Title:		Initial generic CPA-DD Version:	Final generic CPA-DD Version:
	Generic component project activity		2012-05-18 – v. 01	2012-10-16 – v. 04
Project Participant(s):	Non-Annex 1 country:		Annex 1 country:	
	Chile		-	
	PP from Non-Annex 1 country:		PP from Annex 1 country:	
	Andes Mainstream SpA.		-	
	Coordinating Managing Entity			
	Andes Mainstream SpA.			
Applied methodology/ies:	Title:		No.:	Scope / TA:
	Consolidated baseline methodology for grid-connected electricity generation for from renewable sources		ACM0002 ver. 13.0	1 / 1.2
Validation team / Technical Review and Final Approval	Validation Team:		Technical review:	Final approval:
	Raul Gonzalez Mitre (Team Leader) Abraham Garza Alvarez (Team Member)		Emilio Martin Susanne Pasch	Alexandra Nebel
Expected Emission reductions: [t CO₂e]	Expected emission reductions over the first crediting period:		(Expected) project starting date:	
	293,637 tCO ₂ e		PoA: 2012-12-30 CPA: 2013 -07-01	
Confidential content:	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No	
Key dates of validation:	Publication of PDDs:	Draft Report issued:	On-site (from):	On-site (to):
	2012-05-25	2012-06-14	2012-06-11	2012-06-14
Summary of Validation Opinion:	<p>In detail the conclusions can be summarized as follows:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> The PoA is in line with all relevant host country criteria (Chile) and all relevant UNFCCC requirements for CDM. Project activity approval have been obtained from DNA of Chile vide the Letter of Approval (LOA) dated 2012/10/18. <input checked="" type="checkbox"/> The PoA additionality is sufficiently justified in the PoA-DD. <input checked="" type="checkbox"/> The eligibility criteria established for CPA inclusion are deemed appropriate and sufficient. <input checked="" type="checkbox"/> The monitoring plan is transparent and adequate. <input checked="" type="checkbox"/> All information has been consistently applied in the generic CPA-DD form. <input checked="" type="checkbox"/> The conclusions of this report show, that the PoA, as it was described in the project documentation, is in line with all criteria applicable for the validation. 			
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Abbreviations

BAU	Business as usual
CA	Corrective Action / Clarification Action
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CDEC	Dispatch Economic Center of the Central Interconnected System of Chile – “ <i>Centro de Despacho Económico de Carga</i> ”
CER	Certified Emission Reduction
CL	Clarification Request
CNE	National Commission of Energy – “ <i>Comisión Nacional de Energía</i> ”
CO₂	Carbon dioxide
CO_{2e}	Carbon dioxide equivalent
CP	Certification Program
DIA	Environmental Impact Declaration
DNA	Designated National Authority
EB	CDM Executive Board
EF	Emission Factor
EIA	Environmental Impact Assessment
FAR	Forward Action Request
GHG	Greenhouse gas(es)
GSC	Global Stakeholders Consultation
IPCC	Intergovernmental Panel on Climate Change
LoA	Letter of Approval
Mio	Millions
MMA	Ministry of Environment of Chile
n.a.	Not applicable
O&M	Operation & Maintenance
PDD	Project Design Document
PLF	Plant Load Factor
QC/QA	Quality control/Quality assurance
RCA	Environmental Qualification/Approval Resolution
SEA	Environmental Assessment Service of Chile
SIC	Central Interconnected System
SING	Norte Grande Interconnected System
TSA	Turbine Supply Agreement
UNFCCC	United Nations Framework Convention on Climate Change
VVM	Validation and Verification Manual



WTG Wind Turbine Generator

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1 OBJECTIVE / SCOPE

The purpose of a PoA validation is to have an independent third party assess the project design. In particular the project's baseline, the monitoring plan (MP), and the project's compliance with

- the requirements of Article 12 of the Kyoto Protocol;
- the CDM modalities and procedures as agreed in the Marrakech Accords under decision 3/CMP.1
- the annex to the decision;
- subsequent decisions made by COP/MOP & CDM Executive Board and
- other relevant rules, including the host country legislation and sustainability criteria

are validated in order to confirm that the programme design as documented is sound and reasonable and meets the stated requirements and identified criteria. Validation is seen as necessary to provide assurance to stakeholders on the quality of the project and its intended generation of certified emission reductions (CERs).

The validation scope is given as a thorough independent and objective assessment of the programme design including especially: the correct application of the methodology, the programme's baseline study, additionality justification, local stakeholder commenting process, environmental impacts and monitoring plan, which are included in the PoA-DD and other relevant supporting documents, to ensure that the proposed CDM programme activity meets all relevant and applicable CDM and PoA criteria.

The information included in

- the completed Clean Development Mechanism Programme of Activities Design Document Form (the "CDM-PoA-DD") incl.
 - Part I: Programme of Activities (PoA) and
 - Part II: Generic Component Project activity (CPA)
- one completed real case CDM-CPA-DD (the "Real-Case CDM-CPA-DD"), and
- the relevant supporting documents

was reviewed against the requirements as set out by the UNFCCC. The validation team has, based on the requirements in the Validation and Verification Standard^{/VVS/}, carried out a full assessment of all evidence to assess the compliance of the programme with the key areas as outlined in section VII. and VIII.F of the VVS (version 02.0, EB 65) as well as the Standard for Demonstration of additionality, development of Eligibility Criteria and Application of Multiple Methodologies for Programme of activities^{/POAS/}.

The validation is not meant to provide any consulting to the project participants. However, stated requests for clarifications and/or corrective actions may provide input for improvement of the programme design.

2 POA DESCRIPTION

2.1 PoA Characteristics

Essential data of the PoA is presented in the following Table 2-1.

Table 2-1: PoA / rcCPA Characteristics

Item	Data	
PoA title	Implementation of Grid connected Wind Farm Projects in Chile	
Generic CPA title	Generic component project activity	
1 st CPA (real case) title	Laguna Verde Wind Farm Project	
PoA size	<input checked="" type="checkbox"/> Large Scale <input type="checkbox"/> Small Scale	
PoA Scope (according to UNFCCC sectoral scope numbers for CDM)	<input checked="" type="checkbox"/>	1 Energy Industries (renewable- /non-renewable sources)
	<input type="checkbox"/>	2 Energy distribution
	<input type="checkbox"/>	3 Energy demand
	<input type="checkbox"/>	4 Manufacturing industries
	<input type="checkbox"/>	5 Chemical industry
	<input type="checkbox"/>	6 Construction
	<input type="checkbox"/>	7 Transport
	<input type="checkbox"/>	8 Mining/Mineral production
	<input type="checkbox"/>	9 Metal production
	<input type="checkbox"/>	10 Fugitive emissions from fuels (solid, oil and gas)
	<input type="checkbox"/>	11 Fugitive emissions from production and consumption of halocarbons and hexafluoride
	<input type="checkbox"/>	12 Solvents use
	<input type="checkbox"/>	13 Waste handling and disposal
	<input type="checkbox"/>	14 Afforestation and Reforestation
	<input type="checkbox"/>	15 Agriculture
Applied Methodology/ies	ACM0002 ver. 13.0 – Consolidated baseline methodology for grid-connected electricity generation for from renewable sources	
Technical Area(s)	1.2 – Renewable Energies	
Starting date of the PoA	2012-12-30	
CPA Crediting period	<input checked="" type="checkbox"/> Renewable Crediting Period (7 y) <input type="checkbox"/> Fixed Crediting Period (10 y)	
Start of crediting period of 1 st (real case) CPA	2014-10-01	
Estimated tCO ₂ e reductions of the 1 st CPA over the 1 st crediting period	Annual average	41,948 tCO ₂ e
	Total estimation over the 1 st crediting period	293,637 tCO ₂ e

2.2 Involved Parties, Coordinating / managing entity(ies), Project Participants of the PoA and operators of individual CPAs

The following parties to the Kyoto Protocol and project participants are involved in this PoA (Table 2-2).

Table 2-2: PoA Parties and project participants

	Name of Party/ies	Name of the Entity/ies	Private or Public	CME
Host Country	Chile	Andes Mainstream SpA.	Private	<input checked="" type="checkbox"/>

2.3 Characteristics of rcCPA

The details of the 1st real case CPA is listed in table 2-3.

Table 2-3: Characteristics of rcCPA

No.	CPA Details												
CPA No.:	01												
CPA title:	Laguna Verde Wind Farm Project												
CPA Host Country / Region:	Chile - V Region of Valparaiso												
Operator / Implementer:	AM Eolica Laguna Verde S.A.												
CPA location / address:	Locality of Laguna Verde in the city of Valparaiso, V Region of Valparaiso												
Geographical coordinates:	<p>The project activity is located within the following coordinates:</p> <table> <tr> <th>North</th><th>East</th></tr> <tr> <td>6333680</td><td>245339</td></tr> <tr> <td>6332638</td><td>245345</td></tr> <tr> <td>6331661</td><td>246639</td></tr> <tr> <td>6332092</td><td>248448</td></tr> <tr> <td>6333854</td><td>246153</td></tr> </table>	North	East	6333680	245339	6332638	245345	6331661	246639	6332092	248448	6333854	246153
North	East												
6333680	245339												
6332638	245345												
6331661	246639												
6332092	248448												
6333854	246153												

2.4 Technical Programme Description

The proposed Programme of Activities may be composed of Component Programme Activities (CPAs) that consist only of a new grid connected wind electricity generation facility (SSC and LSC) which can be connected to the SIC or the SING grid systems of Chile.

3 METHODOLOGY AND VALIDATION SEQUENCE

3.1 Validation Steps

The validation of the PoA consisted of the following steps:

- Contract review
- Appointment of team members and technical reviewers
- Publication of the following programme documents:
 - the **CDM-PoA-DD (incl. generic CDM-CPA-DD)**
 - the **Real-Case CDM-CPA-DD**
- Desk review of the abovementioned PDDs and supporting documents
- Validation planning
- On-Site assessment
- Background investigation and follow-up interviews with personnel of the project developer and its contractors
- Draft validation reporting
- Resolution of corrective actions (if any)
- Final validation reporting
- Technical review
- Final approval of the validation

Table 3-1: Validation sequence

Topic	Time
Assignment of validation	2012-05-22
POA-DD and CPA-DDs global stakeholder commenting period	2012-05-25 to 2012-06-23
Visit at PP's office (*)	2012-06-11 to 2012-06-14
Draft reporting finalized	2012-06-14
Final reporting finalized	2012-08-10
Technical review on final reporting finalized	2012-11-06

(*) as a greenfield project, the on site visit was not carried out.

3.2 Contract review

To assure that

- the PoA falls within the scopes for which accreditation is held,
- the necessary competences to carry out the validation can be provided,
- Impartiality issues are clear and in line with the CDM accreditation requirements

a contract review was carried out before the contract was signed.

3.3 Appointment of team members and technical reviewers

On the basis of a competence analysis and individual availabilities, a validation team, consisting of one team leader and 01 additional team member, as well as the Technical Review personnel, was appointed.

The list of involved personnel, the tasks assigned and the qualification status are summarized in the table 3-2 below.

Table 3-2: Involved Personnel

	Name	Company	Function ¹⁾	Qualification Status ²⁾	Scheme competence ³⁾	Technical competence ⁴⁾	Verification competence ⁵⁾	Host country Competence	On-site visit
<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms.	Raul Gonzalez Mitre	BRTÜV	TL ^{A)}	LA	<input checked="" type="checkbox"/>	1.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms.	Abraham Garza Alvarez	BRTÜV	TM ^{A)}	A	<input checked="" type="checkbox"/>	1.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms.	Martin Emilio	TÜV NORD, Germany	TR ^{B)}	LA	<input checked="" type="checkbox"/>	1.2	<input type="checkbox"/>	<input type="checkbox"/>	-
<input type="checkbox"/> Mr. <input checked="" type="checkbox"/> Ms.	Susanne Pasch	TÜV NORD, Germany	TR ^{B)}	LA	<input checked="" type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	-
<input type="checkbox"/> Mr. <input checked="" type="checkbox"/> Ms.	Alexandra Nebel	TÜV NORD, Germany	FA ^{B)}	SA	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	-

¹⁾ TL: Team Leader; TM: Team Member, TR: Technical review; OT: Observer-Team, OR: Observer-TR; FA: Final approval

²⁾ GHG Auditor Status: A: Assessor; LA: Lead Assessor; SA: Senior Assessor; T: Trainee; TE: Technical Expert

³⁾ GHG auditor status (at least Assessor)

⁴⁾ As per S01-MU03 or S01-VA070-A2 (such as 1.1, 1.2, ...)

⁵⁾ In case of verification projects

- A) Team Member: GHG auditor (at least Assessor status), Technical Expert (incl. Host Country Expert or Verification Expert), not ETE
B) No team member

All team members contributed to the review of documents, the assessment of the programme activity and to the preparation of this report under the leadership of the team leader.

Technical Experts contributed to the assessment of special aspects of the programme activity, e.g. technical or host country aspects.

Statements of competence for the above mentioned team members are enclosed in annex 8 of this report.

3.4 Consideration of Public Stakeholder Comments

Acc. to the modalities and procedures the draft PoA-DDs, as received from the project participants, have been made publicly available on the dedicated UNFCCC CDM website prior to the commencement of the validation activity. Stakeholders have been invited to comment on the PoA-DDs within the 30 days public commenting period (2012-05-25 to 2012-06-23).

In case comments are received, they are taken into account during the validation process. The comments and the discussion of the same are documented in annex 6 of this report.

3.5 Validation Protocol

In order to ensure consideration of all relevant assessment criteria, a validation protocol is used. The protocol shows, in a transparent manner, criteria and requirements, means of validation and the results from validating the identified criteria. The validation protocol reflects the generic CDM requirements each CDM project has to meet as well as PoA specific issues as applicable. The validation protocol serves the following purposes:

- It organizes, details and clarifies the requirements that a CDM PoA is expected to meet;
- It ensures a transparent validation process where the validating entity will document how a particular requirement has been validated and the result of the determination.

The validation protocol is described in Figure 1.

Validation Protocol Table A-1: Requirement checklist				
Checklist Item	Reference	Validation Team Comment	Draft Conclusion	Final Conclusion
<i>The checklist items in Table A-1 are linked to the various requirements the project should meet. The checklist is organized in various sections. Each section is then further sub-divided as per the requirements of the topic and the individual project activity.</i>	<i>Gives reference to the information source on which the assessment is based on</i>	<i>The section is used to elaborate and discuss the checklist item in detail. It includes the assessment of the validation team and how the assessment was carried out. The reporting requirements of the VVS shall be covered in this section.</i>	<i>Assessment based on evidence provided if the criterion is fulfilled (OK), or a CAR, CL or FAR (see below) is raised. The assessment refers to the draft validation stage.</i>	<i>In case a corrective action or a clarification the final assessment at the final validation stage is given.</i>

Figure 1: Validation protocol table

The completed validation protocol is enclosed in Annex 1 to this report.

3.6 Review of Documents

The published PoA-DDs and supporting background documents related to the programme design and baseline were reviewed.

Furthermore, the validation team used additional documentation by third parties like host party legislation, technical reports referring to the project design or to the basic conditions and technical data.

3.7 Site Visit and Follow-up Interviews

Due to the fact that it is a greenfield project a site visit was not carried out. All relevant project documentation has been provided in the PP's offices.

During validation the validation team has performed interviews to confirm selected information and to resolve issues identified in the document review. The main topics of the interviews are summarized in table 3-3.

Table 3-3: Interviewed persons and interview topics

Interviewed Persons / Entities	Interview topics
Project proponent representatives Project consultant Stakeholders	<ul style="list-style-type: none"> - Chronological description of the programme activity with documents of key steps of the implementation. - Current status of programme design - Technical details of the programme realization, programme feasibility, designing, operational life time, monitoring of the programme

Interviewed Persons / Entities	Interview topics
	<ul style="list-style-type: none"> - Host Government Approval - Approval procedures and status - Monitoring and measurement equipment and system. - Financial aspects - Crediting period - Programme activity starting date - CER allocation / ownership - Baseline study assumptions - Additionality - Sustainable development issues - Monitoring of CPAs - Analysis of local stakeholder consultation - Roles & responsibilities of the project participants w.r.t. project management, monitoring and reporting - National Legislation - Editorial issues of the PoA-DD and CPA-DD

A comprehensive list of all interviewed persons is part of section 7 ‘References’.

3.8 Project comparison

The validation team has compared the proposed CDM PoA with similar PoA or CDM projects or technologies that have similar or comparable characteristics and with similar projects in the host country in order to achieve additional information esp. regarding:

- Programme technology
- Additionality issues
- Reasons for reviews, requests for reviews and rejections within the CDM registration process.

3.9 Resolution of Clarification and Corrective Action Requests

3.9.1 Definition

A **Corrective Action Request (CAR)** will be established where:

- mistakes have been made in assumptions, application of the methodology or the programme documentation which will have a direct influence the programme results,

- the requirements deemed relevant for validation of the PoA with certain characteristics have not been met or
- there is a risk that the PoA would not be registered by the UNFCCC or that emission reductions would not be able to be verified and certified.

A **Clarification Request (CL)** will be issued where information is insufficient, unclear or not transparent enough to establish whether a requirement is met.

A **Forward Action Request (FAR)** will be issued when certain issues related to project implementation should be reviewed during the first verification.

3.9.2 Draft Validation Reporting

After reviewing all relevant documents and taking all other relevant information into account, the validation team issues all findings in the course of a draft validation report and hands this report over to the project proponent in order to respond on the issues raised and to revise the programme documentation accordingly.

3.9.3 Final Validation Reporting

The final validation starts after issuance of the proposed corrective action (CA) of the CARs, CLs and FARs by the project proponent. The project proponent has to reply on those and the requests are “closed out” by the validation team in case the response is assessed as sufficient. In case of raised FARs the project proponent has to respond on this, identifying the necessary actions to ensure that the topics raised in this finding are likely to be resolved at the latest during the first verification. The validation team has to assess whether the proposed action is adequate or not.

In case the findings from CARs and CLs cannot be resolved by the project proponent or the proposed action related to the FARs raised cannot be assessed as adequate, no positive validation opinion can be issued by the validation team.

The CAR(s) / CL(s) / FAR(s) are documented in chapter 4.

3.10 Technical review

Before submission of the final validation report a technical review of the whole validation procedure is carried out. The technical reviewer is a competent GHG auditor being appointed for the scope this PoA falls under. The technical reviewer is not considered to be part of the validation team and thus not involved in the decision making process up to the technical review.

As a result of the technical review process the validation opinion and the topic specific assessments as prepared by the validation team leader may be confirmed or revised. Furthermore reporting improvements might be achieved.

3.11 Final approval

After successful technical review of the final report an overall (esp. procedural) assessment of the complete validation will be carried out by a senior assessor located in the accredited premises of TÜV NORD.

Only after this step the request for registration can be started (in case of a positive validation opinion).

4 VALIDATION FINDINGS

In the following table the findings from the desk review of the published PoA-DD and generic CPA-DD, visits, interviews and supporting documents are summarized:

Table 4-1: Summary of CARs, CLs and FARs issued

Validation topic ¹⁾	No. of CAR	No. of CL	No. of FAR
Part A: CDM-PoA-DD			
Description of project activity (PoA-A): - PoA and CPA specification - Technical PoA and CPA description - CPA Eligibility criteria - Project Participants Technologies and/or measures	-	2	-
Application of selected approved baseline and monitoring methodology (PoA-B) - Application of the Methodology to the PoA and a typical CPA - Programme Boundary and locations - Baseline identification - Calculation of GHG emission reductions Project emissions Baseline emissions Leakage - Additionality determination of the PoA - Monitoring Methodology - Monitoring Plan - Project management planning	1	2	-
Duration and Crediting Period of the PoA (PoA-C)	-	1	-
Environmental impacts (PoA-D)	-	1	-
Local Stakeholder Consultation (PoA-E)	-	1	-
Approval, Authorization and other aspects (PoA-F): - Letter of Approval - Contribution to sustainable development - MoC - PoA-DD editorial aspects	2	1	-

Validation topic ¹⁾	No. of CAR	No. of CL	No. of FAR
Part B: Generic CDM-CPA-DD			
Overall Consistency with finalized PoA-DD			
General description of the CPA (CPA-A) - Responsible entity/individual for the CPA - Identification and description of the CPA - Technical description of the CPA	-	1	-
Eligibility of CPA and Estimation of Emission Reductions (CPA-B) - CPA reference to the PoA - Justification to CPA inclusion eligibility criteria - Demonstration of CPA additionality - Confirmation of CPA boundary - CPA Emission Reduction - CPA Monitoring Plan	3	5	-
Duration and Crediting Period of the CPA (CPA-C)	-	-	-
Environmental impacts (CPA-D)	-	-	-
Local Stakeholder Consultation (CPA-E)	-	-	-
SUM	6	14	-

¹⁾ The letters in brackets refer to the validation protocol

Table 4-2: PoA-DD versions used for assessments

Version Nr.	Assessment Round
PoA-DD v. 01 (Published)	Findings raised at Draft Report
PoA-DD v. 02	DOE Assessment #1
PoA-DD v. 03	DOE Assessment #2

The following tables include all raised CARs, CLs and FARs. For an in depth evaluation of all validation items it should be referred to the validation protocols (see Annex 1).

The findings of validation process are summarized in the tables below:

PoA-DD:

Finding	CL A1		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	PoA-DD Version 01 Information regarding micro-scale projects is missing in section A.2.		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	Information regarding micro-scale projects has been added Section A.2 of the PoA-DD version 02.		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	PoA-DD Version 02 The validation team has checked the revised PoA-DD provided by the PP and it has been identified that the description of the microscale projects (less than 5MW installed capacity) has been included in Section A.2 Hence, it is concluded that the PoA-DD contains a clear, accurate and complete PoA description <u>CL A1 is closed.</u>		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Finding	CL A2		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	PoA-DD Version 01 Information regarding monitoring equipment is missing in section A.6.		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	Information regarding monitoring equipment has been included in section A.6 as requested.		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	PoA-DD Version 02 The PP has added in Section A.6 the information of the monitoring equipment which will be bi-directional power meters class 0.2. The validation team has checked the “Manual de procedimientos para los sistemas de medición y sistemas de supervisión en el CDEC-SIC” available in the CDEC-SIC website so as the “Manual de procedimientos N°13 Instalación, lectura, sincronización y mantenimiento de equipos de medida utilizados en la valorización		

Finding	CL A2		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
	<p><i>de transferencias entre integrantes del CDEC-SING</i>“ available in the CDEC-SING website and has confirmed that the proposed monitoring equipment is correct.</p> <p>The validation team concludes that the PoA-DD contains a clear, accurate and complete definition (including measures/technology(ies)) to be employed of a CPA under the PoA.</p> <p><u>CL A2 is closed.</u></p>		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Finding	CL B1		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	<p>PoA-DD Version 01</p> <p>All eligibility criteria are not sufficiently objective and comprehensive as required by PoA Standard. In addition other eligibility criteria that might be applicable to the PoA has not been considered in the PoA-DD.</p> <p>Moreover information regarding application of “<i>modalities and procedures for large scale project activities</i>” for small scale CPA’s is missing.</p>		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<p>Considering the clarification, the eligibility criteria’s where modified and also two criterias where added considering the particularities of the specific PoA. The information regarding application of “<i>modalities and procedures for large scale project activities</i>” was also added in the eligibility criteria.</p>		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p>PoA-DD Version 02</p> <p>The eligibility criteria have been further developed by the PP. In addition, other eligibility criteria applicable to the specific case of the proposed PoA have been included.</p> <p>In addition, eligibility criteria j) is now stating that for the case of small scale CPA’s the modalities and procedures for large scale project activities will be applied and therefore the small scale threshold criteria will not be applicable for the PoA.</p> <p>The validation team has checked the listed eligibility criteria and they were found correct and appropriate. Nevertheless, eligibility criteria k) states that the debundling will be checked considering the “General principles of Bundling” version 02.0, EB66 but this is</p>		

Finding	CL B1		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
	<p>not the debundling tool stated in the “Standard for demonstration of additionality, development of eligibility criteria and application of multiple methodologies for Programme of Activities”, Version 01.0, EB65.</p> <p><u>CL B1 remains open.</u></p>		
Corrective Action #2 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<p>Effectively, the reference to the “General principles of Bundling” version 02.0, EB66 was mistaken since according to the “Standard for demonstration of additionality, development of eligibility criteria and application of multiple methodologies for Programme of Activities”, Version 01.0, the debundling of small scale projects should be checked in accordance to the “Guidelines on assessment of debundling for SSC project activities” latest version which corresponds to version 03 from EB54.</p> <p>This information was taken into account and changes were performed in PoA-DD version 03.</p>		
DOE Assessment #2 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p><i>PoA-DD Version 03</i></p> <p>The eligibility criteria k) has been corrected and it now states that the “Guidelines on assessment of debundling for SSC project activities” version 03.0, EB 54 will be applied to check that the project meets the debundling requirements.</p> <p>The validation team has checked the “Standard for demonstration of additionality, development of eligibility criteria and application of multiple methodologies for Programme of Activities”, Version 01.0, EB65 and it has been confirmed that the application of the guidelines EB 54 Version 03 is correct</p> <p>The validation team concludes that the eligibility criteria specified in the POA-DD are sufficient to ensure that all CPAs would comply with the CDM requirements applicable to the PoA.</p> <p><u>CL B1 is closed.</u></p>		
Conclusion <i>Tick the appropriate checkbox</i>	<p><input type="checkbox"/> To be checked during the first periodic verification</p> <p><input type="checkbox"/> Additional action should be taken (finding remains open)</p> <p><input checked="" type="checkbox"/> The finding is closed</p>		

Finding	CAR B8		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input checked="" type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	<p><i>PoA-DD Version 01</i></p> <p>The CME procedures for the CPA Management system have not been developed and implemented as required by paragraph 17 of</p>		

Finding	CAR B8		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
	the PoA Standard.		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<p>The CPA Management System has been developed and included in the PoA-DD. Also the following documents are being send along with this document:</p> <ul style="list-style-type: none"> - Additionality confirmation - CER distribution Agreement - Debundling check confirmation - Monitoring Confirmation - No public funding confirmation - Register to avoid double counting - Checklist of the eligibility criteria - Attendance list of CDM training <p>All of this document have been completed for the first CPA Laguna Verde Wind Farm project (except the “Debundling check confirmation” and “Attendance list of CDM training” since it is not applicable to this project) and also are being send along with this document.</p>		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p>PoA-DD Version 02</p> <p>The PP has developed several documents and procedures for the evaluation and inclusion of CPAs under the proposed PoA. These documents include the following:</p> <ul style="list-style-type: none"> • Additionality confirmation • Attendance list of CDM training • CER distribution agreemen • Checklist of the eligibility criteria • Debundling check confirmation • Monitoring confirmation • No public funding confirmation • Register to avoid double counting <p>The validation team has checked the documents and they were found correct and appropriate for the proposed CME procedures for the CPA Management system.</p> <p>Furthermore, Section C of the PoA-DD has been improved and now the PP has further described and detailed all the CME management system requirements defined in paragraph 17 of the PoA Standard.</p> <p>The validation team has checked Section C of the PoA-DD and</p>		

Finding	CAR B8		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
	<p>confirms that the proposed CME procedures for the CPA Management system have been developed and implemented as required by paragraph 17 of the PoA Standard (EB65, Annex 3).</p> <p><u>CAR B8 is closed.</u></p>		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Finding	CL B11		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	<p>PoA-DD Version 02</p> <p>Sensitivity analysis Sub-step 2d included in Section B.1 of the PoA-DD and Section B.5 of the generic CPA-DD states that only variables, (including the initial investment cost) that constitute more than 20% of either total project costs or total project revenues should be subjected to reasonable variation. Nevertheless, this information is not completely in accordance with the "Guidelines on the Assessment of Investment Analysis" version 05.</p> <p>Paragraph 20 of the guidance also states that other parameters which constitute less than 20% of project revenues or expenditures but have a material impact on the analysis shall also be included in the sensitivity analysis.</p>		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<p>Effectively this information was not mentioned and therefore it was included in Section B.1 of the PoA-DD and in Section B.5 of the generic CPA-DD version 03.</p>		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p>PoA-DD Version 03</p> <p>The PP has stated in Section B.1 of the PoA-DD and Section B.5 of the generic CPA-DD that Where a variable which constitute less than 20% has a material impact on this analysis the variable shall be considered in the sensitivity analysis.</p> <p>The validation team has checked the sensitivity analysis procedure against the "Guidelines on the Assessment of Investment Analysis" version 05 and it was found correct and appropriate.</p> <p><u>CL B11 is closed.</u></p>		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Finding	CL C1		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	PoA-DD Version 01 According to the PoA the starting date will be on 2014/01/01 which is the expected starting date of the first CPA for the programme. Nevertheless, this is not as per the VVS requirements and in addition the PoA start date cannot be dependent of the project starting date of a specific CPA.		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	Effectively the original start date was defined as the start date of the first CPA. Considering the clarification, the reference to the start date of the PoA was changed and defined as per the deadline considered by the PP for the PoA registration which corresponds to 30/12/2012.		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	PoA-DD Version 02 The start date of the PoA has been changed to 30/12/2012. As described in Section D.1 this date corresponds to the expected registration date for the PoA. The validation team has checked the PoA and the proposed date is considered appropriate. No starting date of any included CPA (i.e. only CPA 1 at this point of time) has occurred prior than the date of publication for GSCP of the PoA. <u>CL C1 is closed.</u>		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Finding	CL D1		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	PoA-DD Version 01 Justification of the choice of level at which the environmental analysis is undertaken is missing in section E.1.		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	The justification of the choice of level at which the environmental analysis is undertaken is based in the specifications stated in the national environmental Law 19300, and was added in section E.1 of the PoA-DD version 02.		
DOE Assessment #1 <i>The assessment shall encom-</i>	PoA-DD Version 02		

Finding	CL D1		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
<p><i>pass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i></p>	<p>The PP has included a clear explanation of why the Environmental Analysis is taken at the CPA level. The validation team has checked Law N° 19300^{/LAW/} and has confirmed that the environmental analysis is performed for each project independently. Hence, the selection of the PP to perform the environmental analysis at the CPA level is found correct and in line with the applicable local legislation.</p> <p>The validation team concludes that the PoA-DD contains a sufficiently described justification on the choice of level at which the EIA is undertaken.</p> <p><u>CL D1 is closed.</u></p>		
<p>Conclusion <i>Tick the appropriate checkbox</i></p>	<p><input type="checkbox"/> To be checked during the first periodic verification</p> <p><input type="checkbox"/> Additional action should be taken (finding remains open)</p> <p><input checked="" type="checkbox"/> The finding is closed</p>		

Finding	CL E1		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
<p>Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i></p>	<p>PoA-DD Version 01</p> <p>Information of the stakeholder's consultation process is missing in section F. Furthermore information whether the local stakeholder comments were taken into account is also missing in the CDM-PoA-DD.</p>		
<p>Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i></p>	<p>Effectively information related to the stakeholder's consultation process and comments received during the consultation process of the first CPA (Laguna Verde Wind Farm project) was missing in the PoA. This information was added in the PoA-DD v.2.</p>		
<p>DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i></p>	<p>PoA-DD Version 02</p> <p>Section F has been revised and is now including further detail about the stakeholders consultation process. As stated in the PDD the local stakeholders consultation process will be performed at the CPA level.</p> <p>At the time of the validation of the PoA also the first real CPA is being validated and therefore the information about the stakeholders consultation process of the first CPA has been included as an example and the comments received have been considered by the PP.</p> <p>As it is shown in Section F the comments received were mainly focused on more description of the project technology and benefits. All this comments were responded by the PP and no further</p>		

Finding	CL E1		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
	<p>modifications were required in the PoA or CPA. Hence, it is confirmed that the PP has considered all comments received from the local stakeholders consultation process.</p> <p>The documentation from the local stakeholders consultation process made for the first CPA “Laguna Verde Wind Farm Project” was provided by the PP and checked by the validation team. All data was found correct and no further discrepancies have been identified.</p> <p><u>CL E1 is closed.</u></p>		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Finding	CAR F1		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input checked="" type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	<p>PoA-DD Version 01</p> <p>At the time of site visit, the LoA is missing. Please provide the letter of approval of the host country.</p>		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<p>The LoA has been provided to the DOE.</p>		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p>PoA-DD Version 03</p> <p>The PP has provided the LoA issued by the Host country. The validation team has checked the Letter of Approval^{/LOA/} from Chile of the programme activity (PoA) “Implementation of Grid connected Wind Farm Projects in Chile”, letter No. 123725 issued on 2012/10/18 and it has been identified that the listed PP so as the project name are in accordance with the data included in the PoA-DD.</p> <p>Furthermore, point 6 of the LoA states that the authorization is valid for all project activities that comply with national environmental regulations.</p> <p>The DNA listed in the UNFCCC web site - Ministry of Environment of Chile - has issued the LoA of the project activity.</p> <p>The LoA confirms that Chile is a Party to the Kyoto Protocol, the participation of Andes Mainstream SpA is voluntary and the project activity contributes to the sustainable development in the country.</p> <p>The validation has confirmed on the UNFCCC website that the</p>		

Finding	CAR F1		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
	<p>Chilean DNA is correct.</p> <p>Hence, it is concluded that the project has provided written approvals of all parties involved in the project activity and that these approvals have been issued from organizations listed as DNAs on the UNFCCC CDM website. Furthermore, all the written approvals confirm that the participation is voluntary and that the project contributes to the sustainable development in the country. All project participants listed in the PDD have been approved at least by one Party involved.</p> <p><u>CAR F1 is closed.</u></p>		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Finding	CAR F2		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input checked="" type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	<p>PoA-DD Version 01</p> <p>At the time of site visit, the MoC statement is missing. Please provide the Modalities of Communication statement for the PoA.</p>		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<p>The MoC form has been provided to the DOE.</p>		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p>PoA-DD Version 02</p> <p>The Modalities of Communication (MoC) of Andes Mainstream SpA. identifies the project participant and focal point, as well as the personal identities, including specimen signatures and employment status.</p> <p>The MoC confirms that the CME (Andes Mainstream SpA.) communicates with the Board.</p> <p>Andes Mainstream SpA. has the contractual relationship with TÜV NORD.</p> <p>The representatives who submitted the MoC statement to the DOE are directors of Andes Mainstream SpA. and duly authorized to do so, on behalf of the respective project participant.</p> <p>The validation team has checked the Society Constitution document for Andes Mainstream SpA (Doc No. 13.230/2008)^{DIR/} issued by Musalem Registry Office on 2008/10/15 and has confirmed that all information included in the MoC is correct.</p>		

Finding	CAR F2		
Related DDs	<input checked="" type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
	CAR F2 is closed.		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Finding	CL F3		
Related DDs	<input type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	PoA-DD Version 01 The following editorial issues have been identified in the PoA-DD and the generic CPA-DD: <ol style="list-style-type: none"> 1. Last paragraph of sub-step 1A, section B.1 (page 5) it is not clear. 2. In table 2 (page 6) the “operating hours in the year” have not been specified. Furthermore Plant Load Factor is also missing in table 2. 3. Step 4, section B.1 (page 7) the number “100” is not applicable. 4. Table 6 (page 15) the text “geodesic coordinates” is not correct. 5. Section B.5, Substep 2b of the generic CPA-DD does not specify if a post-tax or pre-tax benchmark is applied. 6. Section B.5, Substep 2c, table 7 of the generic CPA-DD, does not include the PLF value. 7. Page 34 of the generic CPA-DD the sentence “Finally the Combined Margin Emission Factor of the grid...” is not correct. 8. Page 34 and page 38 the units of the BM are missing 9. In the generic CPA-DD, step 4 of the common practice analysis does not include the calculation of $N_{all}-N_{diff}$. 		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<ol style="list-style-type: none"> 1. Paragraph of sub-step 1A, section B.1 (page 5) has been corrected. 2. In table 2 (page 6) it was added 8760 and the phrase “operating hours in the year” was left in parentheses in order to avoid any confusions. In table 2 it was also added the information referred to the Plant Load Factor. 3. The number “100” was removed in PoA-DD version 02. 4. In table 6 (currently Table 7 in PoA-DD version 02) the incorrect 		

Finding	CL F3		
Related DDs	<input type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
	<p>term of “geodesic coordinates” was changed to “GPS coordinates”</p> <p>5. In Section B.5, Substep 2b of the generic CPA-DD it was specified that a post-tax benchmark is being applied.</p> <p>6. In the Table from Section B.5, Substep 2c (currently Table 8 in PoA-DD version 02), it was included the PLF value</p> <p>7. The sentence of the generic CPA-DD that mentioned the Combined Margin was corrected per the term Build Margin</p> <p>8. The units of the BM where corrected considering that the correct unit corresponds to tCO₂/MWh.</p> <p>9. In the generic CPA-DD, step 4 of the common practice analysis it was included the calculation of $N_{all}-N_{diff}$.</p>		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p>PoA-DD Version 02</p> <p>All editorial mistakes and discrepancies have been corrected by the PP. The validation team has checked the revised PoA-DD and all data was found correct and consistent.</p> <p>Nevertheless, the following issues shall be addressed by the PP:</p> <ul style="list-style-type: none"> • Step 4 Common practice analysis: The calculation formula for F is missing. • It has been identified that Sub-step 1b of the PoA and the generic CPA do not specify which laws are applicable to the project activity. <p>Hence, further clarification is required.</p> <p><u>CL F3 remains open.</u></p>		
Corrective Action #2 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<ul style="list-style-type: none"> • The calculation formula for F in Step 4 of the Common practice analysis was added in the Generic CPA of the PoA-DD version 3. <p>The main laws applicable to a project activity related to the construction and operation of an energy generation power plant, which correspond to the environmental law N° 19,300/1994 and the electric law DFL N°4/2007, are specified in the PoA-DD and Generic CPA-DD version 03.</p>		
DOE Assessment #2 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p>PoA-DD Version 03</p> <p>The PP has provided a revised PoA-DD in which the generic CPA-DD has been corrected. Step 4 includes the formula for the calculation of F and in addition Sub-step 1b is now specifying that the applicable legislation to the project activity are the Chilean environmental law N°19,300/1994 and the electricity law DFL N° 4/2007.</p>		

Finding	CL F3		
Related DDs	<input type="checkbox"/> PoA-DD	<input type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
	<p>The validation team has checked the PoA-DD so as the local legislation applicable to the project activity^{/LAW/} and all data was found correct.</p> <p>The validation team concludes that the PoA-DD and the generic CPA-DD have been duly filled in accordance with the latest guidance(s)</p> <p><u>CL F3 is closed.</u></p>		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Generic CPA-DD:

Finding	CL A3		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	<p><i>PoA-DD Version 01</i></p> <p>In section A.1 of the generic CPA-DD, the general project description is not completely clear and in line with the PoA project description.</p>		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<p>Section A.1 of the generic CPA-DD has been improved in order to clarify the description of the project and align it with the PoA project description</p>		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p><i>PoA-DD Version 02</i></p> <p>The validation team has checked Section A.1 of the generic CPA-DD included in the revised PoA-DD provided by the PP and it has been identified that the general project description has been revised and it now further details the general project description (technology, energy production, emissions reductions, etc.)</p> <p>This new description will be replicated in every CPA that will be included in the PoA.</p> <p>The validation team has checked the description of Section A.1 of the generic CPA-DD against the real case CPA “Laguna Verde Wind Farm Project” and the PoA project description and it was found consistent. No discrepancies have been identified.</p> <p>Hence, it is concluded that the generic CPA-DD contain a clear, accurate and complete definition (including measures/technology(ies)) to be employed of a CPA under the PoA.</p> <p><u>CL A3 is closed.</u></p>		

Finding	CL A3		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Finding	CAR B2		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input checked="" type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	PoA-DD Version 01 In section B.5 (table 6) of the generic CPA-DD, eligibility criteria h) and j) defined in the PoA are missing.		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	In accordance to CLB1 of the PoA-DD presented above, eligibility criteria's of the PoA where modified and also other criteria was added considering the particularities of the specific PoA. The information related to criteria's h) and j) was also added.		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	PoA-DD Version 02 Section B.5 of the generic CPA-DD has been checked and it has been identified that all eligibility criteria defined in the PoA are being listed and considered. The validation team confirms that the eligibility criteria defined are verifiable, sufficiently objective and do allow to assess the inclusion of CPAs in the PoA. <u>CAR B2 is closed.</u>		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Finding	CL B3		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	PoA-DD Version 01 In section B.2 of the generic CPA-DD, the first paragraph of applicability conditions for meth. ACM0002, V.13 is missing.		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	The first paragraph of applicability conditions for meth. ACM0002 v.13 was added in section B.2 of the generic CPA-DD.		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-</i>	PoA-DD Version 02 The validation team has checked the revised PoA-DD provided by		

Finding	CL B3		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.	<p>the PP and it has been identified that now all requirements of the applicable methodology ACM0002 Version 13.0 have been included.</p> <p>Furthermore, it has been specified in Section B.2 of the generic CPA-DD that all CPA's to be included in the PoA will apply option a) of the applicable methodology "install a new power plant at a site where no renewable power plant was operated prior to the implementation of the project activity (greenfield plant)". The above is in line with the PoA description and the first real case CPA.</p> <p>Hence, it is concluded that all applicability criteria in the methodology, the applied tools or any other methodology component referred to therein are fulfilled by the project activity.</p> <p><u>CL B3 is closed.</u></p>		
Conclusion Tick the appropriate checkbox	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Finding	CAR B4		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input checked="" type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding Describe the finding in unambiguous style; address the context (e.g. section)	<p>PoA-DD Version 01</p> <p>In section B.3 of the generic CPA-DD, the diagram in figure 3 does not include the data and parameters to be monitored as required by the PoA-DD guidance.</p>		
Corrective Action #1 This section shall be filled by the PP. It shall address the corrective action taken in details.	<p>The information referred to the data and parameters to be monitored (which is only electricity generated by the power plant of the CPA) was added in the PoA-DD version 02 Section B.3 of the Generic CPA.</p>		
DOE Assessment #1 The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.	<p>PoA-DD Version 02</p> <p>Figure 3 of Section B.3 of the generic CPA-DD has been corrected. The validation team has checked the new figure and it has been identified that now it specifies the location for monitoring the net electricity delivered to the grid by the project activity which corresponds to parameter EG_{PJ,y}.</p> <p>The validation team confirms that all sources and GHGs have been included in the PoA/CPA boundary as required in the applied methodology. Furthermore, the diagram of the project boundary is in accordance with the requirements of the PoA-DD guidelines.</p> <p><u>CAR B4 is closed.</u></p>		

Finding	CAR B4		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Finding	CL B5		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	PoA-DD Version 01 <p>The following has been identified in section B.6.1:</p> <ul style="list-style-type: none"> • Specification of the data vintage used for the OM calculation for the SING system is missing. Furthermore it has not been specified if the ex-ante or ex-post option for OM will be used; • BM calculation does not include all the steps (a to f) specified in the EF tool. 		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<ul style="list-style-type: none"> • The paragraph in section B.6.1 where it is explained the data vintage chosen for the OM calculation and where it was specified that it was chosen an ex-ante option, was referred for both the SIC an SING OM calculation. Since this was not clear and in order to avoid confusions the following note was added after the paragraph referred to the SIC OM calculation: "Note: For CPA's connected either to the SING or the SIC grid, the following paragraph should be considered:". • Steps d, e and f were added to the BM calculation procedure in section B.6.1. 		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	PoA-DD Version 02 <p>The revised PoA-DD provided by the PP has been checked as follows:</p> <ul style="list-style-type: none"> • Section B.6.1 now specifies that for the OM calculation (Option a) Simple OM) of the SING system a data vintage based on a 3 year generation weighted average for the most recent data available will be used. In addition, it has been specified that the OM will be calculated and fixed ex-ante. All the above was found correct and in line with the applicable tool. Hence, this issue is closed; • The procedure of the BM calculation has been corrected in Section B.6.1 of the generic CPA. All steps a) to f) have been included. Hence, this issue is closed; <p>All changes were checked against "Tool to calculate the emission factor for an electricity system" Version 2.2.1 and all data was found</p>		

Finding	CL B5		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
	<p>correct. No further mistakes or discrepancies have been identified.</p> <p>It is concluded that the methodology and tools have been applied correctly to calculate project emissions, baseline emissions, leakage and emission reductions.</p> <p><u>CL B5 is closed.</u></p>		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Finding	CL B6		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	<p>PoA-DD Version 01</p> <p>In section B.6.3 a sample calculation for each equation used for the SING EF calculation is missing.</p>		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<p>A better description on the methodological choices for the SING EF calculation of section B.6.3 was included in the PoA-DD. An example of the application of each equation is also provided in the PoA-DD.</p>		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p>PoA-DD Version 02</p> <p>Section B.6.3 has been revised by the PDD and it now includes the sample calculation for all equation used for the SING EF calculation.</p> <p>The validation team has checked the calculation against the applicable "Tool to calculate the emission factor for an electricity system" Version 2.2.1 and all data was found correct. No further mistakes or discrepancies have been identified.</p> <p>It is concluded that the methodology and tools have been applied correctly to calculate project emissions, baseline emissions, leakage and emission reductions. Furthermore, it is confirmed that all estimates of the baseline emissions can be replicated using the data and parameter values provided in the programme documentation</p> <p><u>CL B6 is closed.</u></p>		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Finding	CAR B7		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input checked="" type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	PoA-DD Version 01 <p>Data from 2008 to 2010 has been used for the calculation of the OM and BM factors. Nevertheless at the time of on site visit was identified that data of year 2011 was available.</p>		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<p>BM has been updated to the year 2011. The spreadsheet with the updated calculation has been provided to the DOE during on-site visit. Nevertheless, as part of the response on CL B6 above, an additional correction has been added to the Emission Factor Calculation of the SING. The new version of this spreadsheet is being provided to the DOE.</p>		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	PoA-DD Version 02 <p>The PP has provided the revised grid emission factor calculation including data for year 2011. The validation team has checked the revised calculation as follows:</p> <p>SING emission factor:</p> <p>The gross power generation per power plant for 2011 was determined by the PP based on the monthly generation data.</p> <p>The power consumption data from all generation companies was taken from the Annual Generation Reports and Yearbook Statistics published by the CDEC-SING website. This information together with the gross power generation data was used by the PP to calculate the net power generation from the SING grid system. According to the applicable "Tool to Calculate the emission factor for an electric system"^{TEF} net power generation data shall be used for the calculation of the grid emission factor. The validation team has checked the power consumption data against the CDEC-SING statistics and all information was found correct.</p> <p>Regarding the fossil fuel consumption and fuel type for each power plant, the amount of fuel consumed per power plant is published also in the CDEC-SING website. The validation team has checked the CDEC-SING website and all values for fossil fuel consumption for 2011 were found correct.</p> <p>The OM factor for 2011 is of 0.8491 ton CO₂/MWh. Resulting in a average OM factor (2009 – 2011) of 0.8066 ton CO₂/MWh</p> <p>The commissioning date so as the installed capacity for all power plants was reviewed based on the CDEC-SING and the CNE websites. Nevertheless, for the new power plants that started on year 2011 the PP determined its start-up based on the monthly generation reports as up to today the 2011 Yearbook has not been published yet. The validation team has checked the monthly generation report for year 2011 available in the CDEC-SING</p>		

Finding	CAR B7		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
	<p>website and it has been identified that in year 2011 the new power plants/units were Andina (petcoke), Angamos (ANG 2 - coal), Hornitos (CTH1 – coal) and Hornitos (CTH1 – petcoke).</p> <p>The validation team has checked the BM calculation and it was found correct. The resulting BM factor is of 0.9458 ton CO₂/MWh</p> <p>As a conservative assumption the PP has rounded down the OM and BM factors to 0.807 ton CO₂/MWh and 0.946 ton CO₂/MWh respectively. Hence, the final CM for the SING grid system is 0.8410 ton CO₂/MWh</p> <p>The reports from the CDEC-SING website^{/cdec-sing/} were reviewed by the validation team and all data was found correct and consistent. Furthermore, all data sources and references have been included in the grid emission factor calculation spreadsheet. No further discrepancies or mistakes have been identified.</p> <p>SIC emission factor:</p> <p>The net power generation per power plant for 2011 was determined by the PP based on the hourly generation data.</p> <p>According to the applicable “Tool to Calculate the emission factor for an electric system”^{/TEF/} net power generation data shall be used for the calculation of the grid emission factor. The validation team has checked the net power generation data against the CDEC-SIC statistics and all information was found correct.</p> <p>Regarding the fossil fuel consumption and fuel type for each power plant, the amount of fuel consumed per power plant for year 2011 is not available as the 2011 Yearbook has not been issued yet. Hence, the PP has used the specific fuel consumption values for each power plant published by the National Energy Commission^{/cne/}. The validation team has checked the CDEC-SIC website and has confirmed that the 2011 Yearbook has not been published yet. In addition, the National Energy Commission website was checked and all values for the specific fossil fuel consumption for 2011 were found correct.</p> <p>For the power plants for which the specific fuel consumption is not available the PP has used the default efficiency factors available in Annex 1 of the “Tool to Calculate the emission factor for an electric system”^{/TEF/}. The fossil fuel calculation was checked and all the efficiency values were found correct.</p> <p>The OM factor for 2011 is of 0.65487 ton CO₂/MWh. Resulting in an average OM factor (2009 – 2011) of 0.68966 ton CO₂/MWh</p> <p>The commissioning date so as the installed capacity for all power plants was reviewed based on the CDEC-SIC and the CNE websites. Nevertheless, for the new power plants that started on year 2011 the PP determined its start-up based on the monthly</p>		

Finding	CAR B7		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
	<p>generation reports as up to today the 2011 Yearbook has not been published yet. The validation team has checked the monthly generation report for year 2011 available in the CDEC-SIC website and it has been identified that in year 2011 new 11 power plants/units started commercial operation in the CDEC-SIC.</p> <p>The validation team has checked the BM calculation and it was found correct. The resulting BM factor is of 0.64829 ton CO₂/MWh</p> <p>Hence, the final CM for the SIC grid system is 0.679321 ton CO₂/MWh</p> <p>The reports from the CDEC-SIC website^{/cdec-sic/} were reviewed by the validation team and all data was found correct and consistent. Furthermore, all data sources and references have been included in the grid emission factor calculation spreadsheet. No further discrepancies or mistakes have been identified.</p> <p>In both grid emission factors (SIC and SING) the PP has used the gross calorific values published by the National Energy Commission. As the fuel emission factors are expressed based on the net calorific values the PP has converted the gross calorific values (GCV) to net calorific values (NCV) using the default conversion factor published in the IPCC 2006 Guidelines (0.95 for solid and liquids fuels and 0.90 for gas fuels). The validation team has checked the IPCC Guidelines and the grid emission factor calculations and all the data and calculations were found correct.</p> <p>The validation team confirms that the grid emission factor calculation is correct and in line with the requirements of the applicable “Tool to Calculate the emission factor for an electric system”^{TEF/} Version 2.2.1</p> <p>All Sections of the generic CPA-DD have been properly updated based on the new OM, BM and CM results. All values and data were found correct.</p> <p>It is concluded that conservative assumptions have been used when calculating the emission emissions.</p> <p><u>CAR B7 is closed.</u></p>		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Finding	CL B9
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Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	PoA-DD Version 01 In section B.7.1 of the generic CPA-DD information regarding the accuracy and calibration frequency is missing for parameter $EG_{PJ,y}$. Furthermore it has not been specified if the power meters to be used will be bi-directional or uni-directional.		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	Information regarding accuracy and other related information about the electricity meter (i.e. bi-directional) has been provided in section B.7.1 of the generic CPA-DD. Also a generic example to be filled by the project developer with the calibration frequency adopted and applicable local regulations to the real CPA was included.		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	PoA-DD Version 02 The generic CPA-DD has been corrected and now it has been specified in Section B.7.1 that the power meters for the monitoring of parameter $EG_{PJ,y}$ will be bi-directional and with an accuracy of 0.2%. This information has been checked against the information available in the SIC and SING websites and it was found correct and consistent. In addition, regarding the calibration frequency the PP has included a generic explanation in which each CPA shall make reference to the Chilean legislation applicable at the time of the CPA inclusion. This text is found appropriate. The validation team concludes that the means of monitoring of all parameters contained in the monitoring plan are feasible within the PoA design. Furthermore, the provided information for the monitoring of parameter $EG_{PJ,y}$ complies with the approved methodology including applicable tool(s). <u>CL B9 is closed.</u>		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Finding	CL B10		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
Classification	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
Description of finding <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	PoA-DD Version 01 In section B.7.2 of the generic CPA-DD information about Chilean regulation and local grid standards requirements for power meters calibration is missing.		
Corrective Action #1 <i>This section shall be filled by the PP. It shall address the cor-</i>	A generic example to be filled by the project developer with the calibration frequency adopted and applicable local regulations to		



Finding	CL B10		
Related DDs	<input type="checkbox"/> PoA-DD	<input checked="" type="checkbox"/> generic CPA-DD	<input type="checkbox"/> real case CPA-DD
<i>rective action taken in details.</i>	the real CPA was included.		
DOE Assessment #1 <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	PoA-DD Version 02 <p>The generic CPA-DD has been corrected and now the PP has included in Section B.7.2 a generic explanation about Chilean regulation and local grid standards requirements for power meters calibration. With this generic text each CPA shall make reference to the Chilean legislation applicable at the time of the CPA inclusion. This text was reviewed and it was found appropriate.</p> <p>The validation team concludes that it is likely that the monitoring arrangements described in the PoA-DD/CPA-DD can be properly implemented in the context of the project activity.</p> <p><u>CL B10 is closed.</u></p>		
Conclusion <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the first periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Minor Changes	Corrected
1. Please rephrase the sentence in Section D.1 of the PoA (the word "registration" is repeated and it leads to confusion)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2. On several pages (e.g. 35 and 37) it is stated that m³ is a mass unit "(e.g. "Total amount of fuel in mass units (kg or m3)..." Please, correct.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3. In the SIC EF calculation spreadsheet the lambda (Cell I9) in the worksheets "Lambda 20XX" it has not been expressed as a percentage as stated in Cell H9.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

5 VALIDATION ASSESSMENT SUMMARY

5.1 General Description of the PoA

5.1.1 Technology to be employed

A comprehensive and complete description of technology and technical aspects to be employed in a CPA under the PoA is given in section A.6 of the PoA-DD.

The proposed PoA proposes to deliver renewable electricity to the Chilean grids Central Interconnected electricity System (SIC) and the Northern Electricity System (SING) by means of the implementation of CPAs that consist in the installation of new wind power plant(s) (Greenfield projects).

5.1.2 Small Scale PoAs

The present Programme of Activities applies a large scale methodology ACM0002 Version 13.0 for both small scale and large scale projects. Therefore according to Validation and Verification Standard, EB 65, the small scale thresholds criteria is not applicable.

However, the PoA also considers microscale projects (≤ 5 MW). The conditions that ensure that every CPA in aggregate meets the microscale threshold criteria and remains within those thresholds throughout the crediting period of the CPA will be performed at each CPA level.

5.1.3 Definition of a typical Component Project Activity (CPA)

All eligibility criteria have been clearly described in section B.2 of the PoA-DD for the inclusion of a CPA. They are verifiable (the verifiable evidence for each criterion is also described) and include all necessary requirements:

- a) The CPA must be located within the boundaries of Chile and the CPA shall be grid connected to the SIC or SING national electricity grids.
- b) The grid-connected power plant of the proposed CPA (identified by its name, GPS coordinates of the project outline and installed capacity) should not be part of another CDM project to insure that double counting of emission reductions is being avoided.
- c) The CPA shall consist in a greenfield power plant that employs wind energy source for grid-connected electricity generation.
- d) Start date of the CPA must be informed by the project developer, and shall be determined as the earliest date at which either the implementation or

construction or real action of the CPA begins (i.e. civil works, wind turbines or other relevant contract is signed). The CME will verify that the start date of the CPA is not prior to the commencement of the validation of the PoA, which is the date the CDM-PoA-DD is first published for global stakeholder consultation (25th of May 2012).

- e) CPA must be in compliance with the applicability conditions as well as other requirements of the ACM0002 v.13.0.0 methodology. No other methodologies will be used. The CME will verify that the CPA is the installation of a grid-connected wind power generation plant at a site where no power plant was operated prior to the implementation of the project activity (ie. greenfield wind farm).
- f) Additionality must be demonstrated according to the ACM0002 v.13.0.0 methodology and the applicable tool "Tool for the demonstration and assessment of additionality" v.06.0.0. Also the "Guidelines for Demonstrating Additionality of Microscale Project Activities" v.03 may be applied for CPA's with an installed capacity up to 5 MW. Additionality will be demonstrated at the CPA level, as described in section B.1 of this PoA-DD.
- g) The CPA must count with its Environmental Impact Study or Environmental Impact Statement properly approved by the environmental authority when applicable or if not, a letter of pertinence from the national authority in this matter where it is stated that the project doesn't have to enter the environmental impact system, before the CPA is registered.

The local stakeholder consultations must be undertaken at CPA level. The minimum requirements are to invite representative local stakeholders (neighbors, local authorities, etc..) to participate in an instance where the project CPA is described and the CDM consideration is informed. The comments of the stakeholders shall be taken into account.

- h) The CPA project developer must confirm in writing that no Official Development Aid will be involved or diverted in the project confirming that the CPA does not receive public funding from Annex I parties.
- i) The target group of the CPAs shall be grid connected users or companies and the distribution mechanism corresponds to the SIC or SING grid as applicable.
- j) Microscale CPAs will have an installed capacity up to 5MW and will demonstrate additionality as it is mentioned in section B.1 of this PoA for this type of projects. Small scale CPAs (with an installed capacity between 5 to 15 MW) will apply the large scale modalities of procedure.
- k) The requirements for the debundling check shall be verified just in case CPAs belong to microscale project categories. The debundling will be checked considering the "Guidelines on assessment of debundling for SSC project activities" version 03.0, EB 54.
- l) The CPA crediting period shall not exceed the length of the PoA. The CME will check this information considering the starting date informed by the CPA according to criteria (d) shown above.

- m) Confirm that the CPA will be monitored according to the procedures stated in section B.7 of the generic CPA. The CPA shall confirm in writing to the CME that the net energy generation will be monitored considering meters that comply with the national regulation (as detailed in section B.7.2 of the PoA-DD part II) and that will be installed just to measure the net energy generation of the CPA (not including any other generation plant).
- n) A contract will be signed between the CME and the CPA project developer. This contract will state that the CPA project developer is aware and agreed to participate in the PoA and also the agreement associated to the CER distribution.

5.2 PoA Baseline

5.2.1 Application of the Methodology

The project applies the baseline and monitoring methodology ACM0002 – “Consolidated baseline methodology for grid-connected electricity generation from renewable sources” – version 13.0 and methodological tools: “Tool to calculate the emission factor for an electricity system” – version 02.2.1; and “Tool for demonstration and assessment of additionality” – version 06.0.0. They are all approved, valid and are derived from the UNFCCC CDM website.

All applicability conditions of ACM0002 version 13.0 are met and the project activity is in line with all requirements and stipulations mentioned in all sections of the applied methodologies.

No significant emissions are expected from the project or from leakage.

5.2.2 PoA Boundary and CPA Boundary

The project boundaries (geographic and also related to GHG sources and gases) are correctly given in the PDD as described in section B.3 of the PDD. The methodology does not allow for a choice of which GHG sources / sinks are included, and there are no other sources which are impacted by the project which are not addressed by the applied methodology.

The CPA shall correspond to a wind electricity generation facility located in Chile.

All applicable Chilean and/or sectoral policies and regulations have been taken into consideration.

5.2.3 Baseline Identification

The description of the baseline identification in the PDD is transparent and verifiable. According to ACM0002 version 13.0.0, the baseline scenario for the implementation of a new grid-connected renewable power plant/unit (in this case wind) is the following:

Electricity delivered to the grid by the CPA would be generated by the operation of grid-connected power plants and by the addition of new generation sources, as reflected in the combined margin (CM) calculations described in the "Tool to calculate the emission factor for an electricity system" version 02.2.1.

5.2.4 Algorithms and formulae used to determine emission reductions

All calculations will be done at CPA level.

The formulae are stipulated in the generic design document are in accordance with ACM0002 – version 13.0.0 and the ER calculations are to be done as per the applied methodology.

5.3 Additionality Determination

5.3.1 PoA

It has been demonstrated that the PoA in absence of the CDM would not have been implemented.

As clearly stated in the PoA-DD, most of the wind-based electricity generation entrepreneurship in Chile accrue from Clean Development Mechanism (CDM).

For more detail, please refer to Section A.2 of the PoA-DD.

5.3.2 CPA level

Starting date / Consideration of CDM in decision making

The starting date of the first CPA (Laguna Verde Wind Farm Project) is estimated to happen on 2013-07-01 when a real action is expected to occur with the expected date for the signature of the contract for purchase of the wind turbines and respective first payment. The date is conservatively estimated by the project owner based on its experience with similar projects.

The PoA-DD and the CPA-DD were published in the UNFCCC website on 2012-05-25 for the 30-day global stakeholder consultation (GSCP).

Alternatives

The baseline is determined according to the applicable methodology and does not require alternative baseline consideration

Investment analysis

Not applicable as the additionality will be assessed at each CPA level.

Barrier analysis

Not applicable as the additionality will be assessed at each CPA level.

Common practice analysis

Not applicable as the additionality will be assessed at each CPA level.

Additionality-related eligibility criteria

The additionality of the CPA will be demonstrated as per the latest version of the “Tool for the demonstration and assessment of additionality”.

5.4 Operational, Management and Monitoring Plan of the PoA

The CME will develop and implement a management system that includes:

- a. A clear definition of roles and responsibilities of personnel involved in the process of inclusion of CPAs, including a review of their competencies:

The PoA project manager of Andes Mainstream SpA. (CME) will have complete knowledge of the PoA “Implementation of Grid connected Wind Farm Projects in Chile” and of the Management System for the inclusion of new CPA’s. He will be in charge of reviewing the applicability conditions and documentation of each CPA in order to evaluate the inclusion of a project in the PoA “Implementation of Grid connected Wind Farm Projects in Chile”, the PoA’s project manager will analyze each eligibility criteria and complete the document named “Cheklist of the eligibility criteria”.

The PoA project manager of Andes Mainstream SpA. (CME) will also be in charge of maintaining a record of the CPAs included in the PoA “Implementation of Grid connected Wind Farm Projects in Chile” and evaluate the performance of the management system in order to improve it. He will be also in charge of controlling the training and capacity development of the personnel in charge of implementing the CPA.

- b. Records of arrangements for training and capacity development of personnel:

Andes Mainstream SpA. PoA's project manager will be in charge of coordinating the training and capacity development of the personnel in charge of implementing and monitoring the CPA in cases where the CPA developer is not an entity controlled directly by Mainstream SpA. The areas of training will be the CDM project cycle, PoA and CPA managing structure, monitoring plan of the CPA, among others.

The training should be performed at least to the manager of the CPA and the personnel involved in the monitoring of emission reductions once the project has been evaluated positively to be included as a CPA in the PoA. The records that will be checked by the CME will be the attendance list.

c. Procedures for technical review for inclusion of CPAs:

The technical review of the CPAs in order to analyze their inclusion in the PoA "Implementation of Grid connected Wind Farm Projects in Chile" includes the revision of the checklist of the project.

d. Procedures to avoid double accounting (to avoid the case of including a new CPA that has already been registered either as CDM project activity or as a CPA of another PoA):

The CPA project developer must confirm in writing to the CME that the CPA is not registered, or in the process of being registered as a CDM project activity nor a CPA under another PoA. This writing document must consider also the following information: name of the project, GPS coordinates of the project outline and installed capacity

e. Records and documentation control process for each CPA under the PoA:

The control documentation of each CPA will be in charge of the PoA project manager. Please, refer to Section C of the PoA-DD for the complete list of all records and documentation that will be controlled.

All records and documentation will be kept for at least 2 years after the end of the crediting period, for each CPA.

f. Measures for continuous improvements of the PoA management system:

After each CPA CDM validation, a revision of the observations from the DOE and the UNFCCC Secretariat will be done by the CME in order to evaluate possible changes to improve the CPA inclusion management system.

Please, refer to Section C of the PoA-DD for further information about the CME Management System.

5.5 Crediting Period

The expected starting date of the crediting period as mentioned in the PoA-DD under Section D.1. is 2012/12/30 which corresponds to the expected date of registration of the PoA. The intended crediting period of the project is for a renewable period of

seven years. The length of the PoA (28 years duration) indicated in the Section D.2 of the PoA-DD was verified by the validation team and it is found correct and in line with the CDM rules and procedures.

The crediting period of each CPA will be assessed at CPA level.

5.6 Environmental Impacts

For this type of projects, the host party requires an Environment Impact Assessment or other similar environmental study at CPA level.

The PoA-DD states that according to law N°19300), all projects or activities likely to cause environmental impact in any of its phases (construction, operation, etc.) shall assess the environmental impacts of the project if they fall in any of the categories described in the Article 10 of the Law. Depending on the nature of the impacts, the report that should be presented to the authority could be an Environmental Impact Statement (DIA, for its acronym in Spanish) or an Environmental Impact Assessment (EIA, for its acronym in Spanish), as applicable. If a project does not fall under the categories described in Article 10 of the Law, then the project owner should present a pertinence request to the authority which will send a letter of pertinence where it is stated that the particular project does not have to be submitted to the Environmental Impact Evaluation System (SEIA).

So, it is clear that as per the Chilean environmental legislation, the environmental study has to be undertaken at CPA level.

5.7 Comments by Local Stakeholders

The local stakeholders consultation will be performed at each CPA level.

The stakeholder consultation for the the first CPA of Laguna Verde Wind Farm Project was conducted in form of meetings to submit comments or questions about the PoA and the specific CPA project activity. They were invited by letters also through local community representatives.

Relevant stakeholders were invited to the public consultation meeting. The detail information about Laguna Verde Wind Farm Project stakeholder consultation is included in section C of the CPA-DD.

In addition, a summary of comments received from the first CPA stakeholders consultation process is also available in the PoA-DD and it was verified by the validation team. No negative comments were received.

As a result from the stakeholder involvement process it can be concluded that no relevant concerns of the local stakeholders are existing.

5.8 Participation

5.8.1 Definition of Roles

The PoA-DD includes the identification of the CME: Andes Mainstream SpA.

5.8.2 LOA

Chile, the host country, has ratified the Kyoto Protocol on 26th August 2002, and as a non Annex I party meets all relevant participation requirements.

The Chile DNA assigned for CDM is the Ministry of Environment of Chile, which has been checked directly from the UNFCCC website.

In accordance with the CDM M&P at the time of making the PoA-DD public at the stage of validation, a Party involved may or may not have provided its approval. At the time of requesting registration the approval of the Parties involved is required.

Letter num. 123725 signed and stamped by the DNA of Chile on 2012/10/18 was provided by the PP and assessed by the validation team. The PoA name *"Implementation of Grid connected Wind Farm Projects in Chile"* stated in the LoA is the same as the project activity name stated in the PoA-DD submitted for global stakeholder's consultation.

The DNA listed in the UNFCCC web site - Ministry of Environment of Chile - has issued the LoA of the project activity.

The LoA confirms that Chile is a Party to the Kyoto Protocol, the participation of Andes Mainstream SpA is voluntary and the project activity contributes to the sustainable development in the country.

Furthermore, point 6 of the LoA states that the authorization is valid for all project activities that comply with national environmental regulations.

5.8.3 MoC

The Modalities of Communication (MoC) of Andes Mainstream SpA. identifies the project participant and focal point, as well as the personal identities, including specimen signatures and employment status.

The MoC confirms that the CME (Andes Mainstream SpA.) communicates with the Board.

Andes Mainstream SpA. has the contractual relationship with TÜV NORD.

The representatives who submitted the MoC statement to the DOE are directors of Andes Mainstream SpA. and duly authorized to do so, on behalf of the respective project participant.

5.9 Project Documentation Editorial Aspects

The CDM-PoA-DD template version 02.0 has been correctly applied and the PoA-DD is filled in compliance with the latest guidance.

6 VALIDATION OPINION

Andes Mainstream SpA. has commissioned the TÜV NORD JI/CDM Certification Program (CP) to validate the project: “Implementation of Grid connected Wind Farm Projects in Chile” with regard to the relevant requirements of the UNFCCC for CDM project activities, as well as criteria for consistent project operations, monitoring and reporting. UNFCCC criteria include article 12 of the Kyoto Protocol, the modalities and procedures for CDM (Marrakech Accords) and the relevant decisions by COP/MOP and CDM Executive Board

In the course of the pre-validation, 06 Correction Action Requests (CARs) and 14 Clarification Requests (CLs) were raised and successfully closed.

The review of the project design documentation and additional documents related to baseline and monitoring methodology; the subsequent background investigation, follow-up interviews and review of comments by parties, stakeholders and NGOs have provided TÜV NORD JI/CDM CP with sufficient evidence to validate the fulfillment of the stated criteria.

In detail the conclusions can be summarized as follows:

- The PoA is in line with all relevant host country criteria (Chile) and all relevant UNFCCC requirements for CDM. Project activity approval have been obtained from DNA of Chile vide the Letter of Approval (LOA) dated 2012/10/18.
- The PoA additionality is sufficiently justified in the PoA-DD.
- The eligibility criteria established for CPA inclusion are deemed appropriate and sufficient.
- The monitoring plan is transparent and adequate.
- All information has been consistently applied in the generic CPA-DD form.

The conclusions of this report show, that the project, as it was described in the project documentation, is in line with all criteria applicable for the validation.

Mexico, 2012-11-20



Raul Gonzalez Mitre
TÜV NORD JI/CDM CP
Validation Team Leader

Hannover, 2012-11-20



Alexandra Nebel
TÜV NORD JI/CDM CP
Final Approval

7 REFERENCES

Table 7-1: Documents provided by the project participant

Reference	Document
/CPA-DD/	<p>Component Project Activity Design Document named “Laguna Verde Wind Farm Project”</p> <ul style="list-style-type: none"> - version 1.0 (2012-05-18) hosted from 2012-05-25 to 2012-06-23 - version 2.0 (2012-07-04) - version 3.0 (2012-10-05) - version 4.0 (2012-10-16)
/DIR/	Society Constitution – Andes Mainstream SpA – Doc No. 13.230/2008, issued by Musalem Registry Office on 2008/10/15.
/EF/	<p><u>SIC Grid emission factor evidences/references:</u></p> <ol style="list-style-type: none"> 1. Emission Factor calculation spread sheet. 2. CDEC-SIC Statistics Yearbook 2001-2010 3. Hourly based data SIC, File OP2009, OP2010 & OP2011 4. Report: Informe de Precio Nudo Octubre 2008/2009/2010 5. National Energy Balance 2010 by CNE <p><u>SING Grid emission factor evidences/references:</u></p> <ol style="list-style-type: none"> 1. Emission Factor calculation spread sheet. 2. CDEC-SING Statistics Yearbook 2000-2009 3. CDEC-SING Statistics Yearbook 2010 4. National Energy Balance 2010 by CNE
/LOA/	<p>Letter of Approval</p> <ul style="list-style-type: none"> • Letter num. 123725 signed and stamped by the DNA of Chile (Ministry of Environment of Chile) on 2012/10/18 <p>Note: Point 6 of the LoA states that the authorization is valid for all project activities that comply with national environmental regulations.</p>
/MOC/	Modalities of Communication for the PoA
/PoA-DD/	<p>Programme of Activities Design Document named “Implementation of Grid connected Wind Farm Projects in Chile”</p> <ul style="list-style-type: none"> - version 01 (2012-05-18) hosted from 2012-05-25 to 2012-06-24

Reference	Document
	<ul style="list-style-type: none"> - version 02 (2012-07-04) - version 03 (2012-10-05)
/PSD/	<p>Evidences of <u>project starting date</u> and <u>prior consideration</u>:</p> <ul style="list-style-type: none"> - Contract 12PoA05103 between TÜV NORD CERT GmbH and Andes Mainstream SpA. – 2012-05-02
/SHCP/	<p><u>Stakeholder consultation process evidences</u>:</p> <ol style="list-style-type: none"> 1. Attendance Register. 2. Power Point presentations. 3. Photos of the meeting.

Table 7-2: Background investigation and assessment documents

Reference	Document
/ACM02/	ACM0002: Consolidated baseline methodology for grid-connected electricity generation from renewable sources – version 13.0
/CPM/	TÜV NORD JI / CDM CP Manual (incl. CP procedures and forms)
/GAIA/	Guidelines on the assessment of Investment Analysis. Version 05, EB 62, Annex 5.
/GCP/	UNFCCC: Guidelines for completing PoA-DD
/GDAMS/	<ul style="list-style-type: none"> • Guidelines for Demonstrating additionality of microscale project activities, Ver. 3 (EB 65) • CDM: Proposed specific renewable technologies/measures recommendation form – Republic of Chile (version 01), 2012/03/23.
/GT/	Glossary of CDM Terms
/IPCC/	<ul style="list-style-type: none"> • IPCC Good Practice Guidance & Uncertainty Management in National Greenhouse Gas Inventories, 2000. • Revised 2006 IPCC Guidelines for National Greenhouse Gas Inventories: Reference Manual
/KP/	Kyoto Protocol (1997)

Reference	Document
/LAW/	<u>List of applicable laws in Chile:</u> <ul style="list-style-type: none"> • Chilean Law 19.300, Environment Act., 2007/03/27; • Complementary Chilean Law 20.417, regulates and modifies aspects Law 19.300; • Supreme Decree 30, regulation of Environmental Impact Assessment System , 1997-03-27; • Supreme Decree 95/2001, modifies Decree 30; • Supreme Decree N°327 which corresponds to the “Regulation of the General Law of Electric Services”, 1998/09/10 • Law DFL-4; DFL-4/20018, 2007/02/05 – Electrical Service Law.
/MA/	Decision 3/CMP. 1 (Marrakesh – Accords & Annex to decision (17/CP.7))
/PoADD-T/	PoA-DD Template – version 02.0
/POAS/	Standard for demonstration of additionality, development of eligibility criteria and application of multiple methodologies for Programme of Activities
/TA/	Tool for the demonstration and assessment of additionality (Ver. 6).
/TEF/	Tool for calculating the emission factor of an electricity system – Version 2.2.1 EB 63, Annex 19.
/VVS/	UNFCCC Validation and Verification Standard (Version 02.0 as per EB 65)

Table 7-3: Websites used

Reference	Link	Organisation
/dna/	http://www.mma.gob.cl/1257/w3-channel.html	Environmental Ministry – Climate Change Office (DNA of Chile)
/cd4cdm/	www.cd4cdm.org	UNEP Riso Centre
/cdec-sic/	https://www.cdec-sic.cl/index_en.php	<p>CDEC-SIC web site</p> <p><i>Yearbook Operation Statistics access route: Datos de interes/anuarios (free access);</i></p> <p><i>Energy capacity of plants access route: Datos de interes/ Centrales del SIC / Empresas Generadoras & Pequeños Medios de Generacion (free access)</i></p> <p><i>Dispatch data: Informe y estudio/Estadísticas e Informes/Programacion Semanal & Operación Real Diaria(free access);</i></p> <p><i>Monthly and Annual Operational Data: Informe y Estudios/Estadísticas e Informes/Operacion Real Mensual & Operacion Real Anual (free access);</i></p>
/cdec-sing/	http://cdec2.cdec-sing.cl	<p>CDEC-SING web site</p> <p><i>Yearbook Operation Statistics access route: Anuarios (free access);</i></p> <p><i>Power plants Data (Name, unit, subunit, gross generation and fuel type): Datos de Operación/ Operacion Real/ Generación de Energía/ Detalle Mensual de Generacion de Energia (free access)</i></p> <p><i>Power consumption from each power plant: Datos de Operación/ Operacion Real/ Generación de Energía/ Detalle Anual de Generacion de Energia (free access)</i></p> <p><i>Fossil fuel consumption from each power plant: Datos de Operación/ Operacion Real/ Consumo de combustible/ Consumo Anual de combustibles por centrales (free access)</i></p>
/cne/	http://www.cne.cl/	<p>CNE website</p> <p><i>Installed capacity for Norte Grande Interconnected</i></p>

Reference	Link	Organisation
		<i>System (and other Chilean Grids) – access route: Estadísticas/ Energía/ Electricidad/ Capacidad Instalada de Generación</i>
/goldwind/	http://www.goldwindglobal.com/web/index.do	Goldwind web site
/ipcc/	www.ipcc-nggip.iges.or.jp	IPCC publications
/minener/	http://antiguo.minenergia.cl/minwww/opencms/14_portal_informacion/06_Estadisticas/Balances_Energ.html	Energy Ministry – National Energy Balance 2010
/sea/	http://www.sea.gob.cl/	Environmental Assessment Service – Ministry of Environmental
/unfccc/	http://cdm.unfccc.int	UNFCCC
/WindE/	www.wind-energy-the-facts.org	Wind Energy – The Facts

Table 7-4: List of interviewed persons

Reference	Mol ¹		Name	Organisation / Function
/IM01/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms.	José Escobar	Mainstream Renewable Power - General Manager
/IM01/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms.	Juan Guillermo Walker	Mainstream Renewable Power - Business Developer Manager
/IM02/	V	<input type="checkbox"/> Mr. <input checked="" type="checkbox"/> Ms.	Carolina Urmeneta	POCH – CDM Consultant
/IM02/	V	<input type="checkbox"/> Mr. <input checked="" type="checkbox"/> Ms.	Fiona Bello	POCH – CDM Consultant
/IM03/	T	<input type="checkbox"/> Mr. <input checked="" type="checkbox"/> Ms.	Leonardo Amador	Laguna Verde Municipality – President Neighbor Council

¹⁾ Means of Interview: (Telephone, E-Mail, Visit)

ANNEX

- A1:** Validation Protocol
- A2:** Assessment of Applicability Criteria
- A3:** Assessment of Baseline
Identification
- A4:** Assessment of Financial Parameters
- A5:** Assessment of Barrier analysis
- A6:** Outcome of the GSCP
- A7:** Eligibility Criteria Assessment
- A8:** Statement of competence of
involved Personnel

ANNEX 1: VALIDATION PROTOCOL

Table A-1: Programme Requirements Checklist

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
A. General Description of the Programme of Activities				
A.1. Technology to be employed <i>Validation of programme technology focuses on the project engineering, choice of technology and competence/ maintenance needs. The DOE should ensure that environmentally safe and sound technology and know-how is used.</i>				
<p>A.1.1. Does the PoA-DD contain a clear, accurate and complete PoA description?</p> <p>(VVS, v. 2.0, §§ 64, 69)</p> <p><i>The PoA-DD shall contain a clear description of the project activity which provides the reader with a clear understanding of the precise nature of the programme activity and the technical aspects of its implementation.</i></p> <p><i>Pl. consider esp. chapters A.1, A.3 (in case of LSC) for assessment.</i></p> <p><i>§69 (a) Describe the process undertaken to validate the</i></p>	/PoAD/ /IM01/ /IM02/	<p><i>Description:</i> Yes, the PoA proposes to deliver renewable electricity to the SIC and SING Chilean Grid Systems by means of the implementation of Greenfield wind power plants as given in section A.2 of the PoA-DD.</p> <p>The PoA considers large scale, small-scale and micro-scale wind farm projects. Nevertheless, Section A.2 does not specify that micro-scale projects are also considered. Hence, CL A1 was raised.</p> <p><i>Validator's action:</i> For the assessment the validation team has reviewed the PoA-DD and technical data of the programme in detail and carried out interviews with technical and operational personnel of</p>	CL A1	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p><i>accuracy and completeness of the programme description.</i></p> <p><i>§69 (b) Contain the DOE's opinion on the accuracy and completeness of the programme description.</i></p>		<p>project participants and the project consultants.</p> <p><i>Conclusion:</i> The PoA-DD presents an accurate, clear and complete description of the project activity. Nevertheless, it is required to further specify that also micro scale projects are considered in the PoA-DD. CL A1 was raised.</p> <p>(CL A1)</p> <p>Information regarding micro-scale projects is missing in section A.2.</p>		
<p>A.1.2. Does the PoA-DD contain a clear, accurate and complete definition (including measures/ technology(ies)) to be employed of a CPA under the PoA?</p> <p>(VVS, v. 2.0, § 189)</p>	<p>/PoA-DD/ /IM01/ /IM02/</p>	<p><i>Description:</i> Description of technology and technical aspects to be employed in a CPA under the PoA is given in section A.6 of the PoA-DD.</p> <p>The proposed PoA may be composed by CPAs that consist in a new (Greenfield) grid connected wind electricity generation facility which can be of micro (up to 5 MW), small (> 5 MW but up to 15 MW) or large (> 15 MW). The new wind farm shall be connected to the SIC or SING grid systems.</p> <p>Nevertheless, the information is not clear at the Generic CPA-DD, so CL A1 was raised.</p> <p>Furthermore, the PoA does not specify the monitoring equipment to be used for each CPA. Hence, CL A2 was raised</p> <p><i>Validator's action:</i> For the assessment the validation team has reviewed the PoA-DD and technical data of the programme in detail and carried out interviews with technical and operational personnel of project participants and the project consultants.</p> <p><i>Conclusion:</i> The PoA-DD does not present an accurate, clear and complete description technology and technical aspects to be employed in a CPA under the PoA. Information about the monitoring equipment is missing. Hence, CL A2 was raised.</p>	<p>CL A2 CL A3</p>	<p>OK</p>

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		<p>(CL A2)</p> <p>Information regarding monitoring equipment is missing in section A.6.</p> <p>In addition, for the Generic CPA-DD, some more information is necessary, so CL A1 was raised.</p> <p>(CL A3) In section A.1 of the generic CPA-DD, the general project description is not completely clear and in line with the PoA project description.</p>		
A.1.3. Is this description in accordance with the real situation or (in case of greenfield projects) is it most likely that the PoA and the CPAs will be implemented acc to the descriptions in the PoA-DD and the CPA-DD?	/PoA-DD/ /IM01/ /IM02/	<p><i>Description:</i> Yes, the PoA and CPA will be implemented according to the descriptions in the PoA-DD and the CPA-DD. The first real case CPA is a greenfield wind farm project in Laguna Verde town that will be connected to the SIC system.</p> <p><i>Validator's action:</i> For the assessment the validation team has reviewed the PoA-DD and technical data of the programme in detail and carried out interviews with technical and operational personnel of project participants and the project consultants.</p> <p><i>Conclusion:</i> The project will be most likely implemented according to the project description.</p>	OK	OK
<p>A.1.4. In case the programme involves alteration of an existing installation or process, is a clear description available regarding the differences between the programme and the pre-programme situation?</p> <p>(VVS, v. 2.0, § 68)</p> <p><i>Describe the steps taken to validate this issue.</i></p>	/PoA-DD/ /CPA-DD/ /IM01/ /ACM02/	<p><i>Not applicable, as the PoA only considers Greenfield wind power projects.</i></p>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
A.1.5. Has a sufficient description of the general operating and implementing framework of the PoA and its CPAs been given? (VVS, v.2.0, §189)	/PoA-DD/ /IM01/ /IM02/	<p><i>Description:</i> Yes, a comprehensive general operating and implementing framework of the PoA and its CPAs is given in section A.6 of the PoA-DD. The project description is compatible with the type and category of the programme of activities.</p> <p><i>Validator's action:</i> For the assessment, the validation team has reviewed the PoA-DD and technical data of the programme in detail and carried out interviews with technical and operational personnel of project participants and the project consultants.</p> <p><i>Conclusion:</i> The PoA-DD presents an accurate, clear and complete description of the general operating and implementing framework.</p>	OK	OK
A.2. Small scale project activity <i>It is assessed whether the project qualifies as small-scale CDM PoA</i>				
A.2.1. Does the programme fall within the small scale project activity threshold and applies a large-scale approved methodology? In this case, are the modalities and procedures for large-scale project activities followed? (VVS, v. 2.0, § 151)	/PoA-DD/ /IM01/ /IM02/	<p><i>Description:</i> Yes, the PoA considers large scale, small-scale and micro-scale wind farm projects.</p> <p>However, for the small-scale projects the PP is applying a large-scale approved methodology. Hence, the modalities and procedures for large-scale project activities are being applied by the PP for all small scale project activities (> 5 MW and up to 15 MW).</p> <p>For the case of micro-scale project activities the PP is also applying ACM0002 version 13.0. However, the additionality is justified as per the "GUIDELINES FOR DEMONSTRATING ADDITIONALITY OF MICROSCALE PROJECT ACTIVITIES" (Version 03).</p> <p><i>Validator's action:</i> For the assessment the validation team has reviewed the PoA-DD and technical data of the programme in detail and carried out interviews with technical and operational personnel of</p>	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		project participants and the project consultants. <i>Conclusion:</i> The modalities and procedures for large-scale project activities are being correctly followed in the PoA-DD.		
In case of project activities applying a LSC-Methodology, go to B.1				
A.2.2. Does the programme qualify as a small scale PoA as defined in decision 4 / CMP.1 annex II? (VVS, v. 2.0, §§ 150–152) <i>Please indicate whether the CPAs meet the eligibility criteria for small scale-projects. Especially consider whether the CPAs qualify within the thresholds of the three possible types of small-scale project activities</i>	/PoA-DD/	<i>The PoA is applying the modalities and procedures for large-scale project activities.</i>	N/A	N/A
A.2.3. Does the PoA make provisions for each CPA not to exceed the applicable threshold throughout the crediting period? (EB 65, Annex 3, §14 (k))	/PoA-DD/	<i>The PoA is applying the modalities and procedures for large-scale project activities.</i>	N/A	N/A
A.2.4. Are possible cross effects between CPAs (when applying multiple small scale methodologies) taken into account appropriately? (EB 65, Annex 3, §28)	/PoA-DD/	<i>The PoA is applying the modalities and procedures for large-scale project activities.</i>	N/A	N/A
A.2.5. Does the programme apply one of the	/PoA-	<i>The PoA is applying the modalities and procedures for large-scale project activities.</i>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p>approved small scale categories and any methodology(ies) and tool(s) referred therein?</p> <p>(VVS, v. 2.0., § 152 (b))</p> <p><i>Check, if applicable the expiry dates of the applied methodology(ies). Further, take into consideration the general guidance to the methodologies¹, which provide guidance on equipment capacity, equipment performance, sampling and other monitoring related issues.</i></p>	DD/			
<p>A.2.6. Are the small scale CPAs not debundled components of a larger project activity?</p> <p>(VVS, v. 2.0, §203 and EB 65, Annex 3, § 14(I))</p> <p><i>Describe the steps taken to assess whether the CPA is not a debundled component of a large scale activity, in accordance to the “Guidelines on assessment of debundling for SSC project activities”.</i></p> <p><i>In case each of the independent subsystems/measures included in the CPA of a PoA is no larger than 1% of the small-scale thresholds defined by the methodology (i.e. 150kW, 0.6 GWh, 0.6 ktCO₂e), then that CPA of the PoA is exempted from the de-bundling check, i.e. is considered as not being a debundled component of a large-scale activity</i></p>	/PoA-DD/	<p><i>The PoA is applying the modalities and procedures for large-scale project activities.</i></p>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
A.3. Definition of a typical Component Project Activity (CPA) <i>The description of a typical CPA is assessed. The eligibility criteria shall be checked for appropriateness and completeness.</i>				
A.3.1. Has the PoA-DD unambiguously defined a CDM programme activity (CPA) under the PoA?	/PoA-DD/ /IM01/	<p><i>Description:</i> Yes, the PoA consists of CPAs that propose to deliver renewable electricity to the SIC and SING Chilean Grid Systems by means of the implementation of new (Greenfield) wind farm power plants, as given in section A.2 of the PoA-DD.</p> <p><i>Validator's action:</i> For the assessment the validation team has reviewed the PoA-DD and carried out interviews with technical and operational personnel of project participants and the project consultants.</p> <p><i>Conclusion:</i> The PoA-DD presents a clear description of the CPAs under the PoA.</p>	OK	OK
A.3.2. Does the PoA-DD contain a clear, accurate and complete description of the CPAs with regard to the technology / measures to be used? <i>The PoA-DD shall contain a clear description of a typical CPA which provides the reader with a clear understanding of the precise nature of the project activity and the technology / measure to be used.</i> <i>Describe the process undertaken to validate the accuracy and completeness of the CPA description.</i>	/PoA-DD/ /IM01/ /IM02/	<p><i>Description:</i> Yes, a comprehensive and complete description of technology and technical aspects to be employed in a CPA under the PoA is given in section A.6 of the PoA-DD.</p> <p>The proposed PoA may be composed by CPAs that consist in a new wind electricity generation facility which can be connected to the SIC or the SING grid systems of Chile.</p> <p>Nevertheless, as stated before, information about the monitoring equipment is missing. Hence, CL A2 and CL A3 were raised.</p> <p><i>Validator's action:</i> For the assessment the validation team has reviewed the PoA-DD and technical data of the programme in detail</p>	CL A2 CL A3	OK

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		and carried out interviews with technical and operational personnel of project participants and the project consultants. <i>Conclusion:</i> Information about the monitoring equipment is missing in the PoA-DD. Hence, CL A2 and CL A3 were raised, please refer to them.		
A.3.3. Is all necessary information consistent between the finalized PoA-DD and the Generic CPA-DD?	/PoA-DD/ /IM01/ /IM02/	<i>Description:</i> Yes, the PoA-DD and Generic CPA-DD are consistent against each other, and the characteristics that are required in the PoA are also described in the Generic CPA. <i>Validator's action:</i> For the assessment the validation team has reviewed the PoA-DD and carried out interviews with technical and operational personnel of project participants and the project consultants. <i>Conclusion:</i> The PoA-DD and Generic CPA-DD are consistent.	OK	OK
A.3.4. Does the generic CDM-CPA-DD include Name/contact details of the entity/individual responsible for the operation of the CPA?	/PoA-DD/	<i>Not applicable as the entity/individual responsible will be set at each CPA.</i>	N/A	N/A
A.3.5. Does the definition of eligibility criteria for inclusion of a CPA under the PoA include the following information: i) appropriate criteria for demonstration of additionality of the CPA, and ii) all type and/or extent of information (e.g. criteria, indicators, variables, parameters or measurements) that shall be provided by each CPA in order to ensure its	/PoA-DD/ /POAS/	<i>Description:</i> Eligibility criteria have been clearly described in Section B.2 of the PoA-DD, esp. w.r.t. the following points: 1) Geographical requirement of the CPA boundary 2) Confirmation of no double-counting 3) Technical requirement of the CPA, including procurement 4) CPA start date not before PoA webhosting date 5) Methodology applicability requirement of the CPA 6) The additionality assessment criteria for each CPA are met 7) Local stakeholder consultation prior to inclusion of the CPA 8) Environmental analysis requirement of the CPA 9) Public funding requirement of the CPA	CL-B1	OK

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<p>eligibility?</p> <p>(EB 65, Annex 3, §§ 8,9,10,11,12,13,14)</p> <p><i>Assess the specified eligibility criteria in the POA-DD in order to determine whether or not these criteria are sufficient to ensure that all CPAs would comply with the CDM requirements applicable to the PoA, these requirements shall include, inter alia,</i></p> <ul style="list-style-type: none"> <i>the means of demonstrating the additionality of the CPA and</i> <i>the applicability of the applied methodology.</i> <p><i>The eligibility criteria represents an essential element of ensuring the smooth functioning of programmatic CDM, therefore the validation team may raise CARs which ensure the ease of application of the eligibility criteria. (EB 65 annex 3 para 14 Footnote 2).</i></p> <p><i>Detailed assessment on the final criteria are included in the dedicated Annex A-6 of this report.</i></p>		<p>10) The CPA shall be approved by the coordinating entity 11) Target group and distribution mechanism requirement 12) Sampling requirements of the CPAs in accordance with the applicable guidelines by the EB 13) Requirements/Provisions for meeting threshold criteria on CPA level (SSC, Microscale) 14) De-bundling criterion for the CPA</p> <p>Nevertheless, the validation team has identified that other criteria may be included such as:</p> <ul style="list-style-type: none"> CPA crediting period not exceed the PoA end date Monitoring requirement of the CPA Other eligibility criteria applicable for CPA implementation <p>Furthermore, additional information to demonstrate how PoA complies or imposes additional criteria is required for some of the criteria. Hence, CL B1 was raised.</p> <p>The detailed assessments for all eligibility criteria have been included in Annex 7 of this report, please refer to it.</p> <p><input checked="" type="checkbox"/> Not all eligibility criteria have been clearly described and following findings have been raised accordingly (after successful closure of all the findings, detailed assessments are to be included in Annex 7 of the final report):</p> <p><i>Validator's action:</i> The PoA-DD has been checked against the PoA Standard.</p> <p><i>Conclusion:</i> CL B1 has been raised.</p> <p>(CL B1)</p>		

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		<p>All eligibility criteria are not sufficiently objective and comprehensive as required by PoA Standard. In addition other eligibility criteria that might be applicable to the PoA has not been considered in the PoA-DD.</p> <p>Moreover information regarding application of “<i>modalities and procedures for large scale project activities</i>” for small scale CPA’s is missing.</p>		
<p>A.3.6. Are the eligibility criteria defined verifiable, sufficiently objective and do allow to assess the inclusion of CPAs in the PoA?</p> <p>(EB 65, Annex 3, §§ 15,16)</p>	/PoA-DD/ /POAS/	<p><i>Description:</i> The established criteria are not sufficiently verifiable and objective.</p> <p>In addition, other eligibility criteria have to be included to assess this point.</p> <p><i>Validator’s action:</i> The PoA-DD has been checked against the PoA Standard.</p> <p><i>Conclusion:</i> CL B1 has been raised, please refer to it.</p> <p>In addition, CAR B2 has been raised regarding the information shown in the generic CPA.</p> <p>(CAR B2)</p> <p>In section B.5 (table 6) of the generic CPA-DD, eligibility criteria h) and j) defined in the PoA are missing.</p>	CL B1 CAR B2	OK
<p>A.3.7. In case of combination of technologies/measures and or methodologies: have distinct eligibility criteria been developed for each type of CPA?</p>	/PoA-DD/	<p><i>Not applicable as there is no combination of technologies/measures and/or methodologies.</i></p>	N/A	N/A

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(EB 65, Annex 3, §§ 20,29)				
A.3.8. In case of combination of technologies/measures and or methodologies: have provisions been made to ensure the compliance of a CPA using technologies/measures from several methodologies with all the eligibility criteria derived from the requirements of all the methodologies and are those described in the PoA-DD? (EB 65, Annex 3, §§ 27)	/PoA-DD/	<i>Not applicable as there is no combination of technologies/measures and/or methodologies.</i>	N/A	N/A
B. Project Baseline, Additionality and Monitoring Plan				
B.1. Reference of the Methodology				
B.1.1. Do the PoA-DD and the generic CPA-DD correctly quote an applicable version of the methodology? (VVS, v. 2.0, § 74)	/ACM02/	<input checked="" type="checkbox"/> The applied methodology is correctly quoted and is identical to the version available on the UNFCCC website. <input checked="" type="checkbox"/> The applied version of the baseline and monitoring methodology is applicable and valid at the time of submission for stakeholder consultation.	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
B.2. Applicability of the Methodology				
<p>B.2.1. Does the programme apply (an) PoA-approved and applicable CDM methodology(ies) and (a) valid version(s) thereof?</p> <p>(VVS, v. 2.0, §§ 70, 74, 76, 77)</p> <p><i>Describe the steps taken to validate this issue.</i></p> <p><i>Describe for each applicability criterion listed in the selected approved methodology the steps taken to assess its fulfillment</i></p>	<p>/ACM02/ /TA/ /TEF/</p>	<p><input checked="" type="checkbox"/> The applied methodology is correctly quoted and is identical to the version available on the UNFCCC Website.</p> <p><input checked="" type="checkbox"/> The applied version of the baseline and monitoring methodology is valid at the time of submission for stakeholder consultation.</p> <p><input checked="" type="checkbox"/> All applicability criteria in the methodology, the applied tools or any other methodology component referred to therein are fulfilled (please make detailed assessment in Annex 2 of this protocol).</p> <p>Nevertheless, Section B.1 of the generic CPA-DD does not include the first applicability paragraph of the methodology. So, CL B3 was raised.</p> <p>(CL B3) In section B.2 of the generic CPA-DD, the first paragraph of applicability conditions for meth. ACM0002, V.13 is missing.</p>	CL B3	OK
<p>B.2.2. In case of multiple methodologies: do the PoA-DD and the generic CPA-DD list all combinations of technologies/measures and/or approved methodologies that will be implemented in the PoA and define separate eligibility criteria for each of them?</p> <p>(EB65, Annex 3, §26)</p>	/PoA-DD/	<p><i>Not applicable as there is no use of multiple methodologies.</i></p>	N/A	N/A
B.2.3. In case of multiple methodologies: is the	/PoA-	<i>Not applicable as there is no use of multiple methodologies.</i>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
combination of technologies/measures and/or methodologies approved? (EB 65, Annex 3, §§29,30,32,33)	DD/			
B.2.4. In case one or more applicability criteria of the methodology(ies) have not been met, has the validation team requested clarification to, revision of or deviation from the methodology(ies) in accordance with the latest guidelines? (VVS, v. 2.0, §§ 78-81)	/PoA-DD/ /ACM02/	<i>Description:</i> Not applicable all CPAs need to meet all applicability conditions of ACM0002 to be included in the PoA. <i>Validator's action:</i> The PoA-DD has been reviewed against the methodology. <i>Conclusion:</i> All applicability criteria of the methodology have been met	N/A	N/A
B.3. PoA and CPA Boundaries <i>Project Boundaries are the limits and borders defining the GHG emission reduction programme</i>				
B.3.1. Are the PoA's spatial boundaries (geographical) within which all CPAs included in the PoA will be implemented clearly defined? (VVS, v. 2.0, §§ 72 (a), 82, 191) <i>Provide information on how the validation of the geographical boundary has been performed either based on reviewed documented evidence or by describing what was observed/viewed during a site visit.</i>	/PoA-DD/	<i>Description:</i> The spatial boundary of the PoA, and consequently the CPAs, is clearly defined. The CPA's to be included in the PoA have to be located in Chile, specifically in the regions covered by the SIC and SING grid systems. <i>Validator's action:</i> Section A.5 of the PoA-DD was checked. <i>Conclusion:</i> The spatial boundaries are clearly defined.	OK	OK
B.3.2. Are all sources and GHGs included in the PoA/CPA boundary as required in the applied	/PoA-	<i>Description:</i> Yes, all sources and GHGs included in the project boundary are included in the table in section B.3 of the generic CPA-	GAR B4	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p>methodology?</p> <p>(VVS, v. 2.0, §§ 82, 84)</p> <p><i>Provide information on how the validation of the GHGs and sources has been performed either based on reviewed documented evidence or by describing what was observed/viewed during a site visit.</i></p>	DD/ /ACM0 2/	<p>DD in line with ACM0002.</p> <p>Nevertheless, some information required by the CPA-DD guidelines is missing in Section B.3. Hence, CAR B4 was raised.</p> <p><i>Validator's action:</i> The PDD was checked against sources and gases defined in ACM0002.</p> <p><i>Conclusion:</i> The sources are in compliance with the applied methodology as well as with the real situation. Nevertheless, some information required by the CPA-DD guidelines is missing in Section B.3. Hence, CAR B4 was raised.</p> <p>(CAR B4)</p> <p>In section B.3 of the generic CPA-DD, the diagram in figure 3 does not include the data and parameters to be monitored as required by the PoA-DD guidance.</p>		
<p>B.3.3. In case the methodology allows to choose whether a source and/or gas is to be included, is the choice sufficiently explained and justified?</p> <p>(VVS, v. 2.0, §§ 84, 87)</p> <p><i>Confirm if the adequacy provided by the PPs is reasonable, based on assessment of supporting documented evidence provided by the PPs or by onsite observations.</i></p>	/ACM0 2/	<p><i>Not applicable, since the methodology does not allow such choices.</i></p>	N/A	N/A
<p>B.3.4. Are provisions in place in case the implementation of a CPA might lead to emissions contributing more than 1% of the overall expected average annual emissions reductions within the project boundary and</p>	/ACM0 2/	<p><i>Not applicable as per the methodology.</i></p>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p>which are not addressed by the selected approved methodology?</p> <p>(VVS, v. 2.0, § 87)</p> <p><i>Describe the steps taken to validate this issue. If any emission sources that are expected to contribute more than 1% have been identified, the DOE shall request clarification of, revision to, or deviation from the methodology, as appropriate.</i></p>				
<p>B.4. Baseline Identification</p> <p><i>The choice of the baseline scenario will be validated with focus on whether the baseline is a likely scenario, and whether the methodology to define the baseline scenario has been followed in a complete and transparent manner.</i></p>				
<p>B.4.1. Has the baseline scenario been determined according to the methodology?</p> <p>(VVS, v. 2.0, §§ 72 (b), 89, 87(e))</p> <p><i>Describe how it is validated that the identification of the most plausible baseline scenario is carried out in accordance with the applied methodology and applied methodological tools. Please refer to table A-2.</i></p>	/ACM0 2/	<p><input checked="" type="checkbox"/> The baseline is defined by the applied methodology and the PoA-DD refers to it. If the answer is Yes, continue to B.4.5</p> <p><input type="checkbox"/> The baseline is not directly defined by the applied methodology.</p> <p>For details of the assessment regarding the evaluation of the baseline scenario pl. refer to table A-2.</p> <p><input type="checkbox"/> The determination has been carried out as per the procedure contained in the applied methodology.</p> <p><input type="checkbox"/> The following CARs / CLs have been identified with respect to the selection of the baseline scenario:</p>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		<i>Not applicable, as the baseline is given by the methodology.</i>		
<p>B.4.2. Is the list of alternatives complete? (VVS, v. 2.0, § 90)</p> <p><i>Describe how it was validated that all alternatives are plausible and that any scenarios that are supplementary to those required by the methodology are realistic and credible in the context of the project activity and that no alternative scenarios have been excluded.</i></p> <p><i>Fill in all alternatives in table A-2.</i></p>	/ACM0 2/	<p><input type="checkbox"/> All plausible alternative scenarios listed in the approved methodology have been considered. In the course of document review and site visit, it has been validated that no other alternatives which supply comparable outputs and / or services are to be taken into consideration. Thus no plausible scenario has been excluded.</p> <p><input type="checkbox"/> The following alternative scenarios/options have been omitted. Corresponding CAR(s)/CL(s) has /have been issued</p> <p><i>Not applicable, as the baseline is given by the methodology.</i></p>	N/A	N/A
<p>B.4.3. Is the identified baseline scenario reasonable considering all possible types of CPAs and has the baseline scenario been determined using conservative assumptions where possible, including relevant references and sources? (VVS, v. 2.0, § 91)</p> <p><i>Describe whether the choice of the identified baseline scenario is reasonable by validating the <u>key assumptions, calculations and rationales</u> used in the PoA-DD. Describe whether these are listed, relevant and <u>conservatively interpreted</u> in the PoA-DD.</i></p>	/ACM0 2/	<p><input type="checkbox"/> The baseline scenario is reasonable and has been determined using conservative assumptions where possible. Please refer to comments in table A-2.</p> <p><input type="checkbox"/> The following CARs / CLs have been issued because assumptions used in the baseline determination have been assessed to be not conservative</p> <p><i>Not applicable, as the baseline is given by the methodology.</i></p>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p>B.4.4. Does the baseline scenario sufficiently take into account all relevant national and/or sectoral policies within the chosen project boundary such as sectoral reform initiatives, local fuel availability, power sector expansion plans, and the economic situation in the project sector.?</p> <p>(VVS, v. 2.0, §§ 93, 192)</p> <p><i>Describe whether the PP has shown that all relevant policies and circumstances have been identified and correctly considered in the PoA-DD. Two (2) types of national and/or sectoral policies have to be taken into account:</i></p> <p>(a) <i>National and/or sectoral policies or regulations that give comparative advantages to more emissions-intensive technologies or fuels over less emissions-intensive technologies or fuels, known as E+ policies. For this type of national and/or sectoral policies or regulations, only those that have been implemented before adoption of the Kyoto Protocol by the COP (decision 1/CP.3, 11 December 1997) shall be taken into account</i></p> <p>(b) <i>National and/or sectoral policies or regulations that give comparative advantages to less emissions-intensive technologies over more emissions-intensive technologies (e.g. public subsidies to promote the diffusion of renewable energy or to finance energy efficiency programmes), known as E- policies. For this type of national and/or sectoral policies or regulations, those that have been implemented since the adoption by the COP of the CDM M&P (decision</i></p>	/ACM002/	Not applicable, as the baseline is given by the methodology.	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
17/CP.7, 11 November 2001) need not be taken into account in identifying a baseline scenario.				
B.4.5. What has been identified as the baseline scenario? Does the PoA-DD contain a verifiable description of the identified baseline scenario, including a description of the technology that would be employed and/or the activities that would take place in the absence of the proposed CDM programme activity?. (VVS, v. 2.0, § 88)	/PoA-DD/ /ACM02/ /TA/ /TEF/	<p><i>Description:</i> Yes, the PoA-DD contains a verifiable description of the identified baseline scenario.</p> <p>As all CPAs will consist in the implementation of a new grid-connected renewable power plant, the baseline scenario is defined as follows: <i>Electricity delivered to the grid by the CPA would be generated by the operation of grid-connected power plants and by the addition of new generation sources, as reflected in the combined margin (CM) calculations described in the "Tool to calculate the emission factor for an electricity system" version 02.2.1.</i></p> <p><i>Validator's action:</i> The PoA-DD has been checked against applied methodology and tools.</p> <p><i>Conclusion:</i> The baseline is given by the applied methodology (ACM0002).</p>	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
B.5. Additionality Determination <i>The assessment of additionality will be validated with focus on whether the programme / CPA itself is not a likely baseline scenario.</i>				
B.5.1. Methodology				
<p>B.5.1.1. Does the PoA-DD describe how the programme is additional (i.e. that none of the implemented CPAs would occur in absence of the CDM) and does the additionality justification follow the requirements of the applied methodology and/or methodological tools?</p> <p>(VVS, v. 2.0, §§ 72 (d), 101-102 and EB65, Annex 3, §7)</p> <p><i>Describe how it is validated that the additionality justification is carried out in accordance with the applied methodology and/or applied methodological tools. Further focus your assessment on the reliability and credibility of data, rationales and assumptions, justifications and documentations provided by the PP.</i></p>	<p>/PoA-DD/ /POAS/ /GDAM S/ /TA/</p>	<p><i>Description:</i> Yes, the sequence utilized by the PoA to demonstrate the additionality of the project has followed the step-wise approach described in version 6.0 of the “Tool for the demonstration and assessment of additionality”^{TA/}. The additionality is demonstrated by benchmark analysis calculating an Equity IRR.</p> <p>For the case of micro scale projects the additionality is justified as per the “GUIDELINES FOR DEMONSTRATING ADDITIONALITY OF MICROSCALE PROJECT ACTIVITIES” (Version 03).</p> <p>The additionality will be demonstrated at the CPA level.</p> <p><i>Validator’s action:</i> The PDD was reviewed in detail.</p> <p><i>Conclusion:</i> The PoA-DD clearly describes that the CPA’s to be included in the programme are additional as they will only be economically feasible due to the additional income from the CDM. The additionality justification of the PoA-DD follows the requirements of the applied methodology and the applicable methodological tools.</p>	OK	OK
B.5.2. Assessment and Demonstration of Additionality of the PoA as a whole				
B.5.2.1. Has it been demonstrated that:	/PoA-DD/	<p><i>Description:</i> The stated goal of the related CDM programme activity is defined in the PoA-DD and tries to demonstrate the following</p>	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<ul style="list-style-type: none"> in the absence of the CDM the proposed voluntary coordinated action would not be implemented, or in the absence of the CDM the mandatory policy/regulation would be systematically not enforced and that non-compliance with those requirements is widespread in the country/region, or the PoA will lead to a greater level of enforcement of the existing mandatory policy /regulation. 	/LAW/ /cdec- sing/ /cdec- sic/ /cne/	situation in the absence of the programme activity: <input checked="" type="checkbox"/> The proposed voluntary measure would not be implemented. <input checked="" type="checkbox"/> The mandatory policy/regulation would be systematically not enforced and that non-compliance with those requirements is widespread in the country/region. <input checked="" type="checkbox"/> The PoA will lead to a greater level of enforcement of the existing mandatory policy /regulation. <i>Validator's action:</i> The PoA-DD has been checked against PoA Standard and Chilean regulations for the electric sector. <i>Conclusion:</i> At PoA level it is established all assumptions that lead to the conclusion that in the absence of the CDM, the PoA would not be implemented.		
B.5.3. Assessment and Demonstration of CPA Additionality Identification of alternatives Step 1 (in case of SSC projects pl. skip steps 1 and 2 if appropriate; in cases where the baseline scenario is prescribed in the approved methodology, skip step 1, (VVS, v. 2.0, § 115))				
B.5.3.1. Does the list of alternatives contain the status-quo situation, the programme not undertaken as a CDM project as well as all other viable alternatives for supplying the outputs or services that are to be supplied by the proposed CDM programme activity? Do all identified alternatives comply with enforced legislations?	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p>(VVS, v. 2.0, §§ 114, 116)</p> <p><i>Describe whether the list of alternatives is credible and complete. Describe how it is validated that the list of alternatives is complete, realistic and that the alternatives are credible and that all alternatives comply with the existing and enforced legislation.</i></p> <p><i>Describe the steps taken to validate this issue on the basis of your local and sectoral knowledge.</i></p>				
<p>B.5.4. Assessment and Demonstration of CPA Additionality Investment analysis Step 2</p> <p><i>In case the investment analysis as per step 2 is chosen to justify the additionality Annex 4 "Assessment of Financial Parameters" has to be used to provide additional details of the the calculation parameters..</i></p>				
<p>B.5.4.1. Does the project documentation provide evidence that the project would not be the most economically or financially attractive alternative or economically / financially feasible without the revenues from the sale of CERs?</p> <p>(VVS, v. 2.0, § 117)</p> <p><i>In cases where the project activity would produce no financial or economic benefits other than CDM-related income, describe how it has been validated that at least one of the alternatives identified is less costly than the proposed</i></p>	/PoA-DD/	<p><i>Not applicable as the Additionality analysis will be done at CPA level.</i></p>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<i>project activity.</i>				
<p>B.5.4.2. Is a clear, viewable and unprotected Excel spreadsheet available for the investment calculation?</p> <p>(EB 62 Annex 5 , §8) <i>Describe the steps taken to validate this issue.</i></p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
<p>B.5.4.3. Does the period chosen for the investment analysis reflect the technical lifetime of the project activity or in case a shorter period is chosen, is the fair value of the project activity's assets at the end of the investment analysis period (as a cash inflow) included?</p> <p>(EB 62 Annex 5 § 3) <i>Describe how the technical lifetime / period chosen for calculating financial parameter(s) is reviewed and which documents were utilized in the course of review. Describe furthermore the approach used to check the inclusion of a potential fair value.</i></p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
<p>B.5.4.4. Is the fair value calculated in accordance with local accounting regulations (where available) or international best practice?</p> <p>(EB 62 Annex 5, § 4) <i>State the accounting regulations applied for calculating the fair value and describe why these are applicable under the</i></p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<i>project specific circumstances. Describe potential mismatches between regulations and the approach applied for calculating the fair value.</i>				
B.5.4.5. Is the book value as well as the expectation of the potential profit or loss included in the fair value calculation? (EB 62 Annex 5, § 4)	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
B.5.4.6. Is an appropriate analysis method chosen for the project (simple cost analysis, investment comparison analysis or benchmark analysis)? (EB 65 Annex 21, EB 62, Annex 5, §19) <i>Describe why the selected analysis method is appropriate under consideration of potential revenues and costs, potential project alternatives and potential available benchmark values.</i> <i>Assess whether the alternative to the CPA is to supply the same or substitute products or services. In this case, an investment comparison analysis shall be used.</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
B.5.4.7. Were the input values used in the investment analysis valid and applicable at the time of the investment decision? (EB 62 Annex 5, § 6) <i>Describe the steps taken to validate this issue</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
B.5.4.8. Are the input parameters based on values from Feasibility Study Reports that are approved by national authorities for proposed project activities? (VVS, v. 2.0, § 122) <i>In case the basis for input values is a Feasibility Study Report (FSR) describe how it has been ensured that the period in time between the finalization of the FSR and the investment decision is sufficiently short so that it is unlikely that input values would have materially changed. Further confirm the consistency of values in FSR and POA-DD.</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
In case a simple cost analysis has been done, go to B.4.5				
B.5.4.9. Has been a suitable financial indicator chosen by the project participants? (VVS, v. 2.0, § 120 (a)) <i>Describe the steps taken to validate this issue.</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
B.5.4.10. Are depreciation and other non-cash related items only considered in the tax calculation and not as cash outflow? (EB 62 Annex 5, § 5)	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
B.5.4.11. Is the plant load factor (PLF) chosen in a conservative manner, taking into account	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
that the PLF may be different in the framework of demonstrating additionality and calculating the ex-ante ER? (EB 48, Annex 11)				
B.5.4.12. Does the CPA-DD and related spreadsheets contain a sensitivity analysis and does the same contain variation of parameters which may vary throughout the project lifetime? (EB 62 Annex 5, § 20-21) <i>Describe relevance of parameters used in the sensitivity analysis as well as their likeliness to vary during the project's lifetime. Parameters which are fixed on the basis of contracts, PPAs etc. may not be subject to variation and not adequate.</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
B.5.4.13. Were only variables that constitute more than 20% of either total project costs or total project revenues subjected to reasonable variation? (EB 62 Annex 5, § 20)	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
B.5.4.14. Have parameters, constituting less than 20% of total project costs or revenues, been identified with potential material impact on the financial parameter? (EB 62 Annex 5, § 20) <i>Describe whether those parameters are considered in the</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<i>sensitivity analysis?</i>				
<p>B.5.4.15. Is the range of variation reasonable in the specific context of the project activity, taking into consideration historic trends in the business sector?</p> <p>(EB 62 Annex 5, § 21) Describe whether the range of variation is appropriate with focus on historic developments, e.g. price of oil / labour etc., energy potential in the region in question.</p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
<p>B.5.4.16. In case of project IRR: Are the costs of financing expenditures (loan repayments and interests) excluded from the calculation of project IRR?</p> <p>(EB 62 Annex 5, § 9)</p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
<p>B.5.4.17. In case of equity IRR: Is the part of the investment costs, which is financed by equity, considered as net cash outflow and is the part financed by debt excluded in net cash outflow?</p> <p>(EB 62 Annex 5, § 10)</p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
In case a comparison analysis has been done, go to B.5.5				
<p>B.5.4.18. Is the type of benchmark chosen appropriate for the type of IRR calculated</p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
(e.g. local commercial lending rates or weighted average costs of capital for project IRR; required/expected returns on equity for equity IRR)? (EB 62 Annex 5, §12) <i>Describe the steps taken to validate this issue.</i>				
B.5.4.19. Is a pre-tax benchmark applied in case of project IRR is calculated? In cases where a post-tax benchmark is applied, assess whether actual interest payable is taken into account in the calculation of income tax. (EB 62 Annex 5, § 11) <i>If this is not the case, ensure that taxation is excluded from the investment analysis. As per the guidance it is recommended to select a pre tax benchmark in order to describe the steps taken in assessing this requirement.</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
B.5.4.20. Have both benchmark and cash flows expressed consistently, i.e. real terms (excluding the effect of inflation) or nominal terms? <i>Describe the steps taken to validate this issue.</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
B.5.4.21. Is the benchmark value suitable for the project activity and is it reasonable to	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p>assume that no investment would be made at a rate of a lower return than the benchmark?</p> <p>(VVS, v. 2.0, § 121 (c)) <i>Describe whether it is reasonable to assume that a lower rate of return would consequently result in the baseline scenario.</i></p>				
<p>B.5.4.22. Is the benchmark applied based on parameters that are available and standard in the market?</p> <p>(VVS, v. 2.0, 121 (b), EB 62 Annex 5, §§13, 15, 16, 18) <i>Assess whether company-specific benchmarks or benchmarks based on parameters that are available in the market are suitable to the project activity. A benchmark that includes the subjective profitability expectations or risk profile of the project developer (size risk premiums, company own risk premium, etc) is not suitable for project activities open to be developed by other entities.</i></p> <p><i>If cost of equity is applied, assure that best financial practices are used and are based on data sources which can be cross-checked against third-party or publicly available sources.</i></p> <p><i>If cost of debt is used for the calculation of the benchmark, ensure that it is calculated as the cost of financing in the capital markets (e.g.: commercial lending rates)</i></p> <p><i>If the cost/equity financing structure of the project is not yet available, 50% equity, 50% debt financing may be assumed as default.</i></p>	/PoA-DD/	<p><i>Not applicable as the Additionality analysis will be done at CPA level.</i></p>	N/A	N/A
Following checklist is intended for cases where internal company benchmarks are applied, otherwise go to				

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
B.5.5				
<p>B.5.4.23. Is it ensured that the project cannot be developed by other developers than the PP, so that internal company benchmarks or expected returns are suitable for the project activity?</p> <p>(EB 62 Annex 5, §§ 13 – 14) <i>Describe how it has been validated that there is only one possible project developer.</i></p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
<p>B.5.4.24. Was the benchmark consistently used in the past by the same company for similar projects with similar risks?</p> <p>(EB 62 Annex 5, § 14) <i>If applicable, assess the past financial behaviour of the entity during the last 3 years in relation to similar projects.</i></p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
<p>B.5.4.25. Was the cost of debt calculated based on the weighted average cost of debt financing of the legal entity owning the CDM project activity?</p> <p>(EB 62 Annex 5, § 16) <i>If applicable, assess whether loans, bonds or debt financing from a parent company are calculated according to the latest "Guidance on Investment Analysis".</i></p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<i>In case that the debt structure of the project is not yet available, the cost of debt can be assumed as the commercial lending rate in the company or the yield of a 10-year bond issued by the government of the host country.</i>				
B.5.4.26. Does the equity/debt ratio of the project reflect the long-term debt/equity finance structure of the legal entity owning the assets of the project activity? (EB 62 Annex 5, § 17) <i>Assess the latest balance sheets of the legal entity owning the assets of the project activity, in case these are available and audited by a third party within two years prior to the submission of the CPA-DD for validation, and the accounting books reflect the total value of all assets needed for the project activity.</i> <i>If debt/equity financing structure is not available, 50% equity, 50% debt shall be considered as default.</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
B.5.5. Assessment and Demonstration of CPA Additionality Barrier analysis Step 3 or SSC additionality assessment				
B.5.5.1. Are there any barriers given which have a clear and direct impact on the financial returns of the project? (VVS, v. 2.0, § 125) <i>In case of LSC projects those issues <u>cannot be considered</u> as</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<i>barriers and shall be assessed in the investment analysis. In case of SSC projects the same fundamentals as for LSC projects shall apply, i.e. the assessment of the investment barrier according to EB 62 Annex 5. Only unavailability of sources of finance and/or risk related barriers, for example, the risk related to technical failure that could have negative impact on financial performance are acceptable as barriers.</i>				
B.5.5.2. Has the unavailability of means of finance for the project been described and adequately substantiated? Do evidences doubtlessly prove that the financing of the project was assured only due to the benefit of the CDM? (EB 50 Annex 13, § 9)	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
B.5.5.3. Would provision of additional financial means lead to the mitigation of the barrier(s) demonstrated? (EB 50 Annex 13, § 7) <i>Describe why provision of additional financial means would not lead to mitigation of the barrier(s) demonstrated and hence analyzing the project's additionality within the framework of an investment analysis is inappropriate. .</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
B.5.5.4. How is it justified and evidenced that the barriers given in the PoA-DD / CPA-DD are real?	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
(VVS, v. 2.0, § 126(a))				
B.5.5.5. How is it justified that one or a set of real barriers prevent(s) the implementation of the project activity and do not prevent the implementation of at least one of the alternatives? (VVS, v. 2.0, § 126 (b))	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
B.5.5.6. Does the review of relevant background information on the nature of the company(ies) and entity(ies) involved in the financing and implementation of the project sufficiently justify that the barriers related to the lack of access to capital, technologies and skilled labour are real? (EB 50 Annex 13, § 4)	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
B.5.5.7. Has it been demonstrated in an objective way how the CDM alleviates each of the identified barriers to a level that the project is not prevented anymore from occurring by any of the barriers? (EB 50 Annex 13, § 5)	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
B.5.6. Assessment and Demonstration of CPA Additionality Common practice analysis Step 4				

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
(in case of SSC projects or first-of-its-kind LSC projects skip this step)				
<p>B.5.6.1. Is the defined region for the common practice analysis appropriate for the technology/industry type?</p> <p>(VVS, v. 2.0, § 129(a)) <i>Describe why the project activity is not common practice in a transparent and unambiguous manner. If a region other than the entire host country is chosen, describe why this region is more appropriate.</i></p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
In case of projects activities applying ACM002, go to B.5.6.4				
<p>B.5.6.2. To what extent similar projects have been undertaken in the relevant region?</p> <p>(VVS, v. 2.0, § 129(b)) <i>Similar projects are considered those that take place in a comparable environment w.r.t. regulatory framework, investment climate, access to technology and financing, etc. Registered CDM PA and PA that have been published on the UNFCCC website are not to be considered as similar.</i></p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
<p>B.5.6.3. In case similar projects are identified, are there any key differences between the proposed project and existing or ongoing projects and what kind of differences are observed?</p>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
(VVS, v. 2.0, § 129(c))				
B.5.6.4. Has an output range as +/- 50% of the design output of the project activity been calculated in order to define the capacity range for “similar” projects? (EB65 Annex 21, § 47)	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
B.5.6.5. Does N_{all} include only plants that have started commercial operation before the the start date of the project and are within the applicable output range? (EB65 Annex 21, § 47) <i>Under N_{all}, registered CDM projects and projects undergoing validation are not to be included.</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A
B.5.6.6. Does N_{diff} include only plants that apply different “technology” than the project activity? (EB65 Annex 21, §§ 9, 47) <i>The term “technology” refers to energy fuel, investment climate (access to technology, subsidies, legal regulations, etc...) or unit cost of output.</i> <i>Assess how the essential distinctions to identify the different measures have been carried out.</i>	/PoA-DD/	<i>Not applicable as the Additionality analysis will be done at CPA level.</i>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
B.6. Algorithms and/or formulae used to determine emissions reductions <i>It is assessed whether the steps taken and the equations and parameters applied in the POA-DD/CPA-DD to calculate project emissions, baseline emissions, leakage and emission reductions comply with the requirements of the selected methodology including applicable tool(s).</i>				
B.6.1. Are the equations applied correctly according to the applied approved methodology? (VVS, v. 2.0, §§ 72(c), 96) <i>Describe clearly the steps taken to assess whether the methodology has been applied correctly to calculate project emissions, baseline emissions, leakage and emission reductions. Further take into consideration that all estimates of the baseline emissions can be replicated using the data and parameter values provided in the programme documentation</i>	/PoA-DD/ /ACM02/ /TEF/	<input checked="" type="checkbox"/> The equations applied for calculation are correctly applied according to the approved methodology. <input checked="" type="checkbox"/> The following mistakes have been identified in this context: <i>Description:</i> All equations are correct, but Sections B.6.1 and B.6.3 of the Generic CPA-DD has to be revised. Hence, CL B5 and CL B6 were raised. <i>Validator's action:</i> The PoA-DD has been checked against the applied methodology. <i>Conclusion:</i> The methodology has been applied correctly to calculate project emissions, baseline emissions, leakage and emission reductions. Nevertheless, the data vintage for the SING emission factor is missing and in addition it is required to include a sample calculation in Section B.6.3 of the generic CPA-DD for each equation applied. Hence, CL B5 and CL B6 were raised. (CL B5) The following has been identified in section B.6.1: <ul style="list-style-type: none"> • Specification of the data vintage used for the OM calculation for the SING system is missing. Furthermore it has not been 	CL B5 CL B6	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		<p>specified if the ex-ante or ex-post option for OM will be used;</p> <ul style="list-style-type: none"> BM calculation does not include all the steps (a to f) specified in the EF tool. <p>(CL B6)</p> <p>In section B.6.3 a sample calculation for each equation used for the SING EF calculation is missing.</p>		
<p>B.6.2. In case the methodology allows for different methodological choices, are the equations applied properly justified and have they been used reflecting the other methodological choices (i.e. baseline identification)?</p> <p>(VVS, v. 2.0, §§ 97, 98)</p> <p><i>Assess the correct selection and application of methodological choices. Describe whether proper justification has been provided (based on the choice of the baseline scenario, context of activity typical CPA and other evidence provided) and whether the correct equations have been used reflecting the relevant methodological choices.</i></p>	/ACM0 2/	<p><i>Not applicable as the methodology does not allow such choices.</i></p>	N/A	N/A
<p>B.6.3. Have conservative assumptions been used when calculating the emission emissions?</p> <p>(VVS, v. 2.0, §§ 98, 99(a))</p> <p><i>Describe clearly the steps taken to assess whether all the assumptions and data used by the PP are listed in the POA-DD/CPA-DD including references and sources and are conservatively interpreted in the POA-DD/CPA-DD.</i></p>	<p>/PoA-DD/ /ACM0 2/ /TEF/ /cdec-sing/</p>	<p><i>Description:</i> As stated in the PoA, the programme considers wind farm projects connected to either the SIC or the SING grid systems.</p> <p>The baseline emissions are calculated based on net energy generated multiplied by the combined margin emission factor (EF_{CM}) calculated according to the “Tool to Calculate the emission factor for an electric system”^{TEF/} based on the public information available from the SIC and SING grid systems.</p>	CAR B7	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
	/cdec-sic/ /EF/ /minener/	<p>For each grid different type of data is available and therefore different OM calculation approach has been selected. The calculation applied for the OM, BM and CM for each grid is detailed below:</p> <p><u>SIC emission factor</u></p> <p>For this grid system the PP used the simple adjusted OM for the grid emission factor.</p> <p>The CDEC-SIC continuously publishes the power generation data for each power plant. Consolidated reports can be downloaded from the CDEC-SIC showing the final power generation for each plant.</p> <p>The power generation per power plant was determined by the PP based on hourly generation data. The reports from the CDEC-SIC website were reviewed. Also, the annual generation reports per power plant available at the CDEC-SIC website were reviewed in order to crosscheck the total generation per power plant for years 2008, 2009 and 2010. All the data used was correct.</p> <p>Regarding the fossil fuel consumption and fuel type for each power plant, the amount of fuel consumed per power plant is published also in the CDEC-SIC website in the Annual Yearbooks.</p> <p>The commissioning date for the power plants was reviewed based on the CDEC-SIC website.</p> <p>The lower fossil fuels emission factor published in the IPCC guideline 2006 were used. This is in accordance to the tool^{/TEF/} requirements.</p> <p>The Energy Ministry published^{/minener/} the National energy Balance^{/EF/} including information of the gross calorific values for different type of fuels. The values were corrected in order to get the net calorific values required by the applied EF tool. Correction was done following the IPCC 2006 Guidelines (Volume 2, chapter 1, page 1.16) the</p>		

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		<p>validation team checked the IPCC documents. Correction method was correctly applied.</p> <p>Regarding the Build Margin (BM), the sample group <i>m</i> has been defined as per the procedure of the tool. The most recent built power plants were determined based on the reports from the CDEC-SIC.</p> <p>The grid emission factor has been calculated and fixed ex-ante.</p> <p>The period selected for the ex-ante calculation of the grid emission factor was 2008, 2009 and 2010; this approach was selected by the PP. Nevertheless, it has been identified that at the time of submission of the PDD to the validation DOE data of the SIC Chilean grid was available till year 2011. Hence, CAR B7 was raised.</p> <p>The rest of information used for the project and baseline emission has also been reviewed.</p> <p><u>SING emission factor</u></p> <p>For this grid system the PP used the average OM for the grid emission factor.</p> <p>The CDEC-SING continuously publishes the power generation data for each power plant. Consolidated reports can be downloaded from the CDEC-SING showing the final power generation for each plant.</p> <p>The gross power generation per power plant was determined by the PP based on the monthly generation data. The reports from the CDEC-SING website were reviewed. Also, the annual generation reports (Yearbook statistics) available at the CDEC-SING website were reviewed in order to crosscheck the total gross generation per power plant for years 2008, 2009 and 2010. All the data used was found correct.</p> <p>The power consumption data from all generation companies was</p>		

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		<p>taken from the Annual Generation Reports and Yearbook Statistics published by the CDEC-SING website. This information together with the gross power generation data is used to the PP to calculate the net power generation from the grid system. According to the applicable “Tool to Calculate the emission factor for an electric system”^{/MT/} net power generation data shall be used for the calculation of the grid emission factor. The validation team has checked the power consumption data against the CDEC-SING statistics and all information was found correct.</p> <p>Regarding the fossil fuel consumption and fuel type for each power plant, the amount of fuel consumed per power plant is published also in the CDEC-SING website. The Annual Yearbook statistics available at the CDEC-SING website were also reviewed in order to crosscheck the total fossil fuel consumption per power plant for years 2008, 2009 and 2010. All values were found consistent and correct.</p> <p>The commissioning date so as the installed capacity for all power plants was reviewed based on the CDEC-SING and the CNE websites.</p> <p>The lower fossil fuels emission factor published in the IPCC guideline 2006 were used. This is in accordance to the tool^{/TEF/} requirements.</p> <p>The Energy Ministry published^{/minener/} the National energy Balance^{/EF/} including information of the gross calorific values for different type of fuels. The values were corrected in order to get the net calorific values required by the applied EF tool. Correction was done following the IPCC 2006 Guidelines (Volume 2, chapter 1, page 1.16) the validation team checked the IPCC documents. Correction method was correctly applied.</p> <p>Regarding the Build Margin (BM), the sample group <i>m</i> has been defined as per the procedure of the tool. The most recent built power</p>		

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		<p>plants were determined based on the reports from the CDEC-SING.</p> <p>The grid emission factor has been calculated and fixed ex-ante.</p> <p>The period selected for the ex-ante calculation of the grid emission factor was 2008, 2009 and 2010; this approach was selected by the PP. Nevertheless, it has been identified that at the time of submission of the PDD to the validation DOE data of the SING Chilean grid was available till year 2011. Hence, CAR B7 was raised.</p> <p>The rest of information used for the project and baseline emission has also been reviewed.</p> <p><i>Validator's action:</i> Data used is adequate as the power generation data is publicly available. The emission factor and emission reductions calculation^{/XLS/} spread sheets were reviewed. The "Tool to Calculate the emission factor for an electric system"^{/MT/} and the IPCC guideline 2006 and was checked accordingly. Moreover the consolidated reports and the Annual Yearbooks were downloaded directly from the CDEC-SIC and the CDEC-SING websites. The Energy Ministry published^{/minener/} the National energy Balance^{/EF} were also checked.</p> <p><i>Conclusion:</i> The calculation of the OM and BM has been checked. Conservative assumptions were used to calculate emission reductions. Nevertheless, it has been identified that only data until 2010 was used but the 2011 information is also available. Furthermore, some mistakes were detected in the emission factor calculation spreadsheet. Hence, CAR B7 was raised.</p> <p>(CAR B7)</p> <p>Data from 2008 to 2010 has been used for the calculation of the OM and BM factors. Nevertheless at the time of on site visit was identified</p>		

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		that data of year 2011 was available.		
<p>B.6.4. Are all data sources and assumptions appropriate and parameters which remain fixed throughout the crediting period correct, applicable to the project and will lead to a conservative estimation of emission reductions?</p> <p>(VVS, v. 2.0, § 98)</p> <p><i>Describe clearly the steps taken to assess whether the values used for the fixed parameters are considered reasonable, correct and applicable in the context of the programme activity and typical CPA.</i></p>	<p>/PoA-DD/ /ACM02/ /TEF/ /EF/ /XLS/</p>	<p><i>Description:</i> Yes, the Operating Margin and the Build Margin were calculated in accordance with the latest version of the “Tool to Calculate the emission factor for an electric system”^{/TEF/}. Also other variables used in the emission reductions^{/XLS/} calculations are adequate.</p> <p><i>Validator’s action:</i> The fixed parameters are given by the applied methodology and tools. Also, the grid emission factor and emission reductions calculation spreadsheets were reviewed^{/EF/ and /XLS/}.</p> <p><i>Conclusion:</i> All applied formulae and methods for calculating baseline emissions are in accordance with the approved methodology and applied tools. No project or leakage emissions are considered for this project.</p> <p>Almost all assumptions used in the emission calculation spread sheet have been correctly justified and referenced. Nevertheless, the OM and the BM calculation need to be updated based on the latest information available for year 2011 as indicated in CAR B7, please refer to it.</p>	CAR B7	OK
<p>B.6.5. Are all ex-ante calculation values for monitoring parameters (as defined per chapter B.7.1) reasonable?</p> <p>(VVS, v. 2.0, § 98)</p> <p><i>Describe clearly the steps taken to assess whether the values used for the monitoring parameters are considered reasonable, applicable and conservative in the context of the project activity</i></p>	/PoA-DD/	<p><input type="checkbox"/> All “Values of data to be applied for the purpose of calculating expected emissions reductions” are considered to be reasonable, applicable and conservative.</p> <p><input checked="" type="checkbox"/> The following mistakes have been identified in this context:</p> <p><i>Description:</i> The Quantity of net electricity generation supplied by the project plant to the grid in the year ($EG_{PJ,y}$) will be estimated as the average total net electricity energy generated by the project activity in the year;</p> <p>$EF_{grid,CM,y}$ for the SIC and SING grid systems is calculated using the</p>	CAR B7	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		<p>last version of the “Tool to calculate the emission factor for an electricity system” using the data provided by the CDEC-SIC and CDEC-SING websites. Nevertheless, the OM and the BM calculation need to be updated based on the latest information available for year 2011 as indicated in CAR B7</p> <p><i>Justification of evidences:</i> The PoA-DD has been checked against the applied methodology.</p> <p><i>Conclusion:</i> The values are appropriately described in the context of the programme of activities. The OM and the BM calculation need to be updated based on the latest information available for year 2011 as indicated in CAR B7, please refer to it.</p>		
<p>B.6.6. Are the emission reductions real, measurable and give long-term benefits related to the mitigation of climate change.</p> <p><i>Describe the steps taken to validate this issue.</i></p>	/PoA-DD/	<p><i>Not applicable as the calculation will be done at CPA level.</i></p>	N/A	N/A
<p>B.7. Operational, Management and Monitoring Plan of the PoA</p> <p><i>It is assessed whether the operational, management and monitoring plan is appropriate for the project activity and in line with the applied methodology.</i></p>				
B.7.1. Operational and Management Plan				
B.7.1.1. Has the coordinating/managing entity established the operational and management arrangements for the	/PoA-DD/	<p><i>Description:</i> According to Section C of the PoA-DD the CME will develop and implement a management system to check the features of potential CPAs and ensure that each CPA meets the requirements</p>	CAR B8	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
implementation of the PoA, which includes a clear definition of roles and responsibilities of personnel involved in the CPA inclusion (i.a. their competencies) as well as records of arrangements for training and capacity development? (EB65, Annex 3, §§17(a,b),18)		and the eligibility criteria. Nevertheless, the management arrangements have not been developed or implemented. According to paragraph 17 of the "STANDARD FOR DEMONSTRATION OF ADDITIONALITY, DEVELOPMENT OF ELIGIBILITY CRITERIA AND APPLICATION OF MULTIPLE METHODOLOGIES FOR PROGRAMME OF ACTIVITIES" Version 01 the management arrangements of the PoA shall be made available to the DOE at the time of the validation of the PoA. Hence, CAR B8 was raised. <i>Validator's action:</i> The PoA-DD has been checked. <i>Conclusion:</i> The management arrangements have not been established by the coordinating/managing entity. Hence, CAR B8 was raised. (CAR B8) The CME procedures for the CPA Management system have not been developed and implemented as required by paragraph 17 of the PoA Standard.		
B.7.1.2. Are procedures for technical review of the CPA inclusion part of the management system? (EB65, Annex 3, §§17(c),18)	/PoA-DD/	<i>Description:</i> The management arrangements have not been developed or implemented. Hence, CAR B8 was raised, please refer to it. <i>Validator's action:</i> The PoA-DD has been checked. <i>Conclusion:</i> Refer to CAR B8 above.	CAR B8	OK
B.7.1.3. Do the arrangements include a system/procedure to avoid double accounting, e.g., to avoid the case of including a new	/PoA-DD/	<i>Description:</i> The management arrangements have not been developed or implemented. Hence, CAR B8 was raised, please refer to it.	CAR B8	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
CPA that has been already registered either as CDM project activity or as a CPA of another PoA? (EB65, Annex 3, §§17(d),18)		<i>Validator's action:</i> The PoA-DD has been checked. <i>Conclusion:</i> Refer to CAR B8 above.		
B.7.1.4. Does the management system include a records and documentation control process for each CPA under the PoA? (EB65, Annex 3, §§17(e),18)	/PoA-DD/	<i>Description:</i> The management arrangements have not been developed or implemented. Hence, CAR B8 was raised, please refer to it. <i>Validator's action:</i> The PoA-DD has been checked. <i>Conclusion:</i> Refer to CAR B8 above.	CAR B8	OK
B.7.1.5. Do the arrangements include measures for continuous improvement of the PoA management system? (EB65, Annex 3, §§17(g),18)	/PoA-DD/	<i>Description:</i> The management arrangements have not been developed or implemented. Hence, CAR B8 was raised, please refer to it. <i>Validator's action:</i> The PoA-DD has been checked. <i>Conclusion:</i> Refer to CAR B8 above.	CAR B8	OK
B.7.1.6. Are all other relevant elements to ensure the CME's competency to check the features of potential CPAs and ensure that each CPA meets all requirements and eligibility criteria before inclusion in the registered PoA taken into account?	/PoA-DD/	<i>Description:</i> The management arrangements have not been developed or implemented. Hence, CAR B8 was raised, please refer to it. <i>Validator's action:</i> The PoA-DD has been checked. <i>Conclusion:</i> Refer to CAR B8 above.	CAR B8	OK
B.7.2. Monitoring Plan				
B.7.2.1. Are all monitoring parameters required by	/PoA-	<i>Description:</i> Yes, parameter EG _{PJ,y} is contained in the monitoring	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p>the applied methodology contained in the monitoring plan?</p> <p>(VVS, v. 2.0, §§ 72 (e), 131, 132 (a) (i))</p> <p><i>Assess whether all applicable parameters listed in the methodology are included in the monitoring plan.</i></p> <p><i>Pl. check further whether the selection of parameters not to be monitored (section B.6.2) is appropriate and in line with the applied methodology.</i></p> <p><i>In case of different approaches can be chosen acc. to the methodology assess whether the selection of parameters is justified and correct.</i></p>	DD/ /ACM0 2/ /MT/	<p>plan. As the grid emission factor is fixed ex-ante the project activity will only monitor the net electricity delivered to the grid.</p> <p><i>Validator's action:</i> The applied methodology and tool were checked and compared with the PoA-DD and generic CPA-DD version 2.</p> <p><i>Conclusion:</i> All monitoring parameters required by the applied methodology are in the monitoring plan.</p>		
<p>B.7.2.2. Are the means of monitoring of all parameters contained in the monitoring plan feasible within the PoA design?</p> <p>(VVS, v. 2.0, §§ 132 (b) (i), 133(b))</p> <p><i>Describe the steps undertaken to assess whether the monitoring arrangements described in the monitoring plan are feasible within the project design.</i></p>	/PoA-DD/ /ACM0 2/ /TEF/	<p><i>Description:</i> The only parameter need to be monitored is the net Electricity supplied by the project to the grid ($EG_{PJ,y}$).</p> <p>As stated in the generic CPA-DD the power delivered to the grid will be monitored with power meters with an accuracy of 0.2% and they will be calibrated according to Chilean regulations</p> <p>Nevertheless, the description for monitoring of $EG_{PJ,y}$ is not further detailed, so CL B9 was raised.</p> <p><i>Validator's action:</i> The procedures for monitoring and calculating the monitored parameters are described in the monitoring plan and are feasible and in accordance with the requirements of ACM0002.</p> <p><i>Conclusion:</i> Further information is required in the monitoring plan defined in the PoA-DD. Hence, CL B9 was raised.</p> <p>(CL B9)</p> <p>In section B.7.1 of the generic CPA-DD information regarding the</p>	CL B9	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.																																																
		accuracy and calibration frequency is missing for parameter EG _{PJ,y} . Furthermore it has not been specified if the power meter(s) to be used will be bi-directional or uni- directional.																																																		
<p>B.7.2.3. EG_{PJ,y}: <i>Quantity of net electricity generation supplied by the project plant to the grid in year y</i></p> <p>(VVS, v. 2.0, § 132(a)– (ii))</p> <p><i>Indicate whether the provided information for the monitoring parameter complies with the approved methodology including applicable tool(s) in the aspects listed.</i></p> <p><i>For checking the use of international standards in the nomenclature, consider:</i></p> <p>a) <i>Standard format (e.g. 1,000 representing one thousand and 1.0 representing one).</i></p> <p>b) <i>Values shall be directly given in SI units – or additionally to original units transferred to SI.</i></p> <p>c) <i>Short scale naming system: (Only) million = 10⁶ and billion 10⁹ shall be used.</i></p>	<p>/PoA-DD/ /ACM02/</p>	<table><tr><th>Requirement</th><th>OK</th><th>Not OK</th><th>N/A</th></tr><tr><td>Label</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Data Unit</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Description</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Source of data</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Measurement equipment / measure method</td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Monitoring frequency</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>QA/QC procedures</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Purpose of data</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Standard format</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td></tr><tr><td>SI units</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Short scale naming</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td></tr></table>	Requirement	OK	Not OK	N/A	Label	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Data Unit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Source of data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Measurement equipment / measure method	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Monitoring frequency	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	QA/QC procedures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Purpose of data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Standard format	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SI units	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Short scale naming	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<p>CL B9</p>	<p>OK</p>
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<p>B.7.2.4. Has a monitoring plan for all types of CPA been developed in accordance with the approved monitoring methodology, and identified the monitoring provisions and data parameters a CPA has to apply/monitor?</p> <p>(VVS, v. 2.0, § 198)</p>	<p>/PoA-DD/ /ACM02/</p>	<p><i>Description:</i> Yes, a monitoring plan for all types of CPA has been developed in accordance with the approved monitoring methodology.</p> <p><i>Validator's action:</i> The PoA-DD has been checked against the applied methodology.</p> <p><i>Conclusion:</i> There is a monitoring plan for all types of CPA in accordance with the approved monitoring methodology.</p>	<p>OK</p>	<p>OK</p>																																																

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<p>B.7.2.5. Have all means of implementing the monitoring plan, e.g. equations necessary for ex-post emission reduction calculation, been described clearly and in line with the methodology?</p> <p>(VVS, v. 2.0, § 131)</p> <p><i>Check whether all necessary equations have been provided in the POA-DD/CPA-DD. Pl. consider that ex-post and ex-ante calculations might be different.</i></p> <p><i>Please consider that additional equations might be necessary to calculate auxiliary parameters.</i></p>	/PoA-DD/ /ACM0 2/	<p><i>Description:</i> Yes, all equations necessary to ex-post emission reduction calculation are clearly defined.</p> <p><i>Validator's action:</i> Equations are clearly defined in the PoA-DD, which has been checked.</p> <p><i>Conclusion:</i> All means of implementing the monitoring plan have been clearly described and are in line with the methodology. The equations used for ER calculations are correctly and clearly defined.</p>	OK	OK
<p>B.7.2.6. Is it likely that the monitoring arrangements described in the PoA-DD/CPA-DD can properly be implemented in the context of the project activity?</p> <p>(VVS, v. 2.0, § 132(b) (i))</p> <p><i>Assess whether the described monitoring arrangements are sufficient and realistic to enable a thorough monitoring. Pl. consider also special monitoring conditions, e.g. downtimes of monitoring equipment etc.</i></p>	/PoA-DD/ /ACM0 2/	<p><i>Description:</i> The monitoring arrangements are correctly and well described in the PoA-DD/CPA-DD and can be properly implemented in the context of each CPA.</p> <p>Nevertheless, further information about the calibration frequency is required in Section B.7.2 of the generic CPA-DD. Hence, CL B10 was raised.</p> <p><i>Validator's action:</i> The PoA-DD has been checked against the applied methodology.</p> <p><i>Conclusion:</i> The monitoring arrangements can be properly implemented in the context of each CPA. Nevertheless, further information about the calibration frequency is required in Section B.7.2 of the generic CPA-DD. Hence, CL B10 was raised.</p> <p>(CL B10)</p> <p>In section B.7.2 of the generic CPA-DD information about Chilean</p>	CL B10	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		regulation and local grid standards requirements for power meters calibration is missing.		
<p>B.7.2.7. Are the QA/QC procedures appropriate and sufficient to ensure the emission reductions achieved from the programme activity can be reported ex-post and verified?</p> <p>(VVS, v. 2.0, § 132(b) (ii)) Please consider the description given in the relevant section of the PoA-DD and the CPA-DD. Describe which QA/QC provisions are considered. Address Quality Management System provisions, calibration and maintenance of equipment. Address further any review procedures.</p>	/PoA-DD/ /ACM02/	<p><i>Description:</i> The QA/QC procedures are appropriate and sufficient to ensure that the emission reductions achieved from the programme activity can be reported ex-post and verified.</p> <p><i>Validator's action:</i> The PoA-DD has been checked against the applied methodology.</p> <p><i>Conclusion:</i> The QA/QC procedures are appropriate.</p>	OK	OK
<p>B.7.2.8. Are procedures identified for data management?</p> <p>(VVS, v. 2.0, § 132(b) (ii)) Check whether appropriate provisions are considered for data management including responsibilities, what records to keep, storage area of records and how to process performance documentation Check further the data archiving provisions for the project activity and ensure that provisions are made to archive data for the whole crediting period + 2 years.</p>	/PoA-DD/	<p><i>Description:</i> Yes, procedures, type of data and responsibilities are identified and provisions for data archiving are made.</p> <p><i>Validator's action:</i> There are identified procedures for data management system described in the PoA-DD.</p> <p><i>Conclusion:</i> The procedures for data management are properly identified and deemed appropriate.</p>	OK	OK
<p>C. Duration and Crediting Period</p> <p><i>It is assessed whether the temporary boundaries of the</i></p>				

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<i>programme are clearly defined.</i>				
<p>C.1.1. Is the starting date of any CPA prior to the commencement of the validation of the PoA (date of publication for GSCP)?</p> <p>(VVS, v. 2.0, § 193)</p>	<p>/PoA-DD/ /CPA-DD/ /IM01/ /IM02/ /unfccc/</p>	<p><i>Description:</i> No, as the expected starting date for the first CPA (and unique at the time of the PoA validation process) will be 2013-07-01 and the date of publication for GSCP of the PoA has happened in 2012-05-25.</p> <p><i>Validator's action:</i> The PoA-DD, CPA-DD and UNFCCC website were checked and interviews with project participants were performed to assess this issue.</p> <p><i>Conclusion:</i> No starting date of any CPA has occurred prior than the date of publication for GSCP of the PoA. Nevertheless, the PoA-DD states as project starting date 2014/01/01. Hence, CL C1 was raised.</p> <p>(CL C1)</p> <p>According to the PoA the starting date will be on 2014/01/01 which is the expected starting date of the first CPA for the programme. Nevertheless, this is not as per the VVS requirements and in addition the PoA start date cannot be dependent of the project starting date of a specific CPA.</p>	CL C1	OK
<p>C.1.2. Is the project's operational lifetime clearly defined and evidenced?</p> <p><i>Check whether the project lifetime is correctly defined. Consider the latest "Guidance on the assessment of investment analysis".</i></p> <p><i>Check in case of phased implementation this has been reflected throughout the whole PoA-DD incl. the financial assessment, if applicable.</i></p>	/PoA-DD/	<p><i>Not applicable as the operational lifetime will be defined at CPA level.</i></p>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p>C.1.3. Is the start of the crediting period clearly defined and reasonable?</p> <p><i>Check whether the envisaged starting date of the crediting period is realistic, taking into consideration the times needed for validation and registration.</i></p> <p><i>The crediting period of the PoA should be renewed every seven years (every 20 years for A/R PoA) from the start date of the lifetime of the PoA.</i></p> <p><i>Life time of the PoA starts on the date specified in the PoA-DD section B.1 or on the date of registration, whichever is later.</i></p> <p><i>In case of small-scale PoA, the start date must be stated as at least 4 weeks after the estimated submission date;</i></p> <p><i>In case of large-scale PoA, the start date must be stated as at least 8 weeks after the estimated submission date.</i></p> <p><i>(PoA registration uploading requirements step 4)</i></p>	/PoA-DD/	<p><i>Not applicable as the crediting period will be defined at CPA level.</i></p>	N/A	N/A
<p>C.1.4. Does the crediting period of the PoA or an individual CPA not exceed 28 years?</p> <p>(VVS, v. 2.0, § 197)</p>	/PoA-DD/	<p>The crediting period of the PoA is defined as 28 years in section D.2 of the PoA-DD version 2.0, in line with EB 55, Annex 38 § 6 (h). However, the crediting period of the CPA shall be defined at CPA level and will not exceed the PoA duration</p>	OK	OK
<p>D. Environmental Impacts</p> <p><i>Documentation on the analysis of the environmental impacts will be assessed, and if deemed significant, an EIA should be provided to the DOE.</i></p>				

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p>D.1.1. Are there any Host Party requirements for an Environmental Impact Assessment (EIA) on PoA and/or typical CPA level?</p> <p>(VVS, v. 2.0, §§ 134-135, 199) <i>Check the host party regulations regarding EIA. If no requirements for an EIA exist, discuss whether the project participants conducted an analysis of the environmental impacts of the project activity.</i></p>	<p>/IM01/ /IM02/ /sea/ /LAW/</p>	<p><i>Description:</i> In Chile, the SEA is the entity in charge by the Ministry of Environment to analyze the environmental impact of new projects and prevent the national environmental decay.</p> <p>According to the law 19300 describes whether a project shall present an Environmental Impact Assessment or a more simple Environmental Impact Declaration.</p> <p>Hence, for this type of project, the host party requires an Environment Impact Assessment or other similar environmental study at CPA level.</p> <p><i>Validator's action:</i> The SEA web site was checked. The law 19300 and other relevant Chilean laws ruling environmental licensing process were checked.</p> <p><i>Conclusion:</i> The project complies with host party legislation regarding EIA as there is a requirement that each CPA shall be in compliance with the Chilean environmental licensing process, which has the environmental study as its first step.</p>	OK	OK
<p>D.1.2. In case an Environmental Impact Assessment (EIA) is requested by the host party, has it been carried out and if applicable duly approved in accordance with the host Party procedures?</p> <p>(VVS, v. 2.0, §§ 135, 199) <i>Check the EIA and its approval, if applicable. If the EIA is conducted at CPA level, please assess if the EIA was conducted according to the description in the CPA-DD and the PoA-DD.</i></p>	/PoA-DD/	<p><i>Not applicable as the environmental study will be defined at CPA level.</i></p>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p>D.1.3. Has it been clearly indicated on which level i.e. PoA level or CPA level, an environmental analysis has been carried out or will be carried out?</p> <p>(VVS, v. 2.0, § 200)</p> <p><i>Please check whether the indication is in line with the provided documentation.</i></p>	/PoA-DD/ /sea/ /LAW/	<p><i>Description:</i> Yes, it is clearly stated at Section E.1 of the PoA-DD that the environmental study will assess the environmental impacts of the CPA's proposed activity and which is required by the environmental agency for the Environmental Qualification Resolution granting.</p> <p><i>Validator's action:</i> The PoA-DD and Chilean environmental legislation were checked.</p> <p><i>Conclusion:</i> It is clear that the environmental study will be done at CPA level.</p>	OK	OK
<p>D.1.4. Does the PoA-DD contain a sufficiently described justification on the choice of level at which the EIA is undertaken?</p>	/PoA-DD/ /LAW/	<p><i>Description:</i> The PoA-DD states that the Environmental Impact Assessment will be performed at a CPA level because each CPA will be implemented at different locations (project sites). Nevertheless, further justification based on the local legislation is missing in Section E.1. Hence, CL D1 was raised.</p> <p><i>Validator's action:</i> The PoA-DD and Chilean environmental legislation were checked.</p> <p><i>Conclusion:</i> The PoA-DD does not contain a sufficiently described justification on the choice of level at which the EIA is undertaken. CL D1 was raised.</p> <p>(CL D1)</p> <p>Justification of the choice of level at which the environmental analysis is undertaken is missing in section E.1.</p>	CL D1	OK
<p>D.1.5. Are transboundary environmental impacts considered in the analysis?</p> <p>(VVS, v. 2.0, § 134)</p> <p><i>Check the documents and local official sources / expertise regarding transboundary environmental impacts.</i></p>	/PoA-DD/	<p><i>Not applicable, since no transboundary environmental impacts are envisaged for such type of project.</i></p>	N/A	N/A

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
E. Stakeholder Comments <i>The DOE should ensure that stakeholder comments have been invited with appropriate media and that due account has been taken of any comments received.</i>				
<p>E.1.1. With regard to the PoA, how have relevant local stakeholders' comments been invited to consultation prior to the publication of the PoA-DD/CPA-DD?</p> <p>(VVS, v. 2.0, §§ 138-140, 201, 202)</p> <p><i>If such comments are to be sought at the CPA level this shall be described and reflected in the PoA-DD and the CPA-DD.</i></p> <p><i>Check by means of document review and interviews with local stakeholders if and when a local stakeholder consultation process has been carried out.</i></p>	<p>/PoA-DD/ /SHCP/ /IM01/ /IM02/ /IM03/</p>	<p><i>Description:</i> As stated in the PoA-DD the local stakeholders consultations will be performed for each CPA.</p> <p>For the case of Laguna Verde Wind Farm project (which is the CPA used for the PoA validation) the consultation process took place at Laguna Verde town on 2008/07/19. Several relevant stakeholders have been invited for the consultation prior to the publication of the PoA-DD for GSC:</p> <ul style="list-style-type: none"> a) Neighbors Council President; b) Neighbors Council Treasurer; c) Centro Cultural y Avance; d) Women Center "La Playa"; e) Firefighter Squad 16; f) Police Department; g) School No. 150; h) Cooperativa Agua Potable; i) Villa Rincón Comité; j) Neighbors from the local community; <p>Stakeholders' questions raised during the meeting were reviewed and no major concerns about the project activity have been identified.</p>	<p>CE-1</p>	<p>OK</p>

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		<p>All questions raised were responded during the meetings.</p> <p>The PoA-DD has been checked and it has been identified that the summary of the comments received at the CPA consultation process have not been considered in Section F. Hence, CL E1 was raised.</p> <p><i>Validator's action:</i> Invitations through invitation letters^{/SHCP/} have been presented to the validation team. In addition, the attendance list has been reviewed.</p> <p><i>Conclusion:</i> Relevant stakeholders have been invited to consultation prior to the publication of PoA-DD for GSC. Nevertheless, the information about the local stakeholder comments has not been taken into account and described in the CDM-PoA-DD. Hence, CL E1 was raised.</p> <p>(CL E1)</p> <p>Information of the stakeholder's consultation process is missing in section F. Furthermore information whether the local stakeholder comments were taken into account is also missing in the CDM-PoA-DD.</p>		
<p>E.1.2. How have the comments received been compiled and can the summary be assessed as complete and adequate?</p> <p>(VVS, v. 2.0, §§ 201, 202)</p>	<p>/PoA-DD/ /SHCP/ /IM01/ /IM02/ /IM03/</p>	<p><i>Description:</i> Comments were written in big paper sheets. The PP has provided a photo of the list of comments and questions raised during the consultation process.</p> <p>Stakeholders' questions raised during the meeting were reviewed by the validation team and no major concerns about the project activity have been identified. All questions raised were responded during the meetings.</p> <p><i>Validator's action:</i> All the stakeholder consultation evidences (invitation letters, photos, attendance list and documentation used during the consultation process (i.e. power point presentation)) were</p>	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		<p>checked by the validation team.</p> <p><i>Conclusion:</i> The summary of the comments is assessed as complete and adequate.</p>		
<p>E.1.3. With regard to the PoA, can the local stakeholder consultation process be assessed as adequate?</p> <p>(VVS, v. 2.0, §§ 138-140, 201)</p> <p><i>Describe what assessment steps have been undertaken to assess the adequacy of the stakeholder consultation process. Give a final opinion on the adequacy.</i></p> <p><i>Please consider the following requirements in this context:</i></p> <p><i>(a) Comments by local stakeholders that can reasonably be considered relevant for the proposed CDM project activity, have been invited;</i></p> <p><i>(b) The summary of the comments received as provided in the PoA-DD/CPA-DD is complete;</i></p> <p><i>(c) The project participants have taken due account of any comments received and have described this process in the PoA-DD/CPA-DD.</i></p>	<p>/PoA-DD/ /SHCP/ /IM01/ /IM02/ /IM03/</p>	<p><i>Description:</i> As stated in the PoA-DD the local stakeholders consultations will be performed for each CPA.</p> <p>Relevant stakeholders have been invited for Laguna Verde Wind Farm project, by means of invitation letters and also through local community representatives, to local consultation prior to the publication of PoA-DD for GSC.</p> <p>Stakeholders' questions raised during the meeting were reviewed and no major concerns about the project activity have been identified. All questions raised were responded during the meetings.</p> <p>The PDD has been checked and it has been identified that the stakeholders' consultation information so as the summary of the comments received is complete.</p> <p>The validation team has checked the comments raised by the participants and it has been identified that the comments were not critical and they were focused on understanding better the project activity (turbines location, impact on landscape and noise, etc.). All questions and comments were clarified by the PP during the consultation process.</p> <p>In addition, the validation team has contacted by phone a local stakeholder^{/IM03/} and has confirmed that all comments were considered by the PP and that the consultation process was adequate.</p> <p><i>Validator's action:</i> All the stakeholder consultation evidences</p>	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		(invitation letters, photos, attendance list and documentation used during the consultation process (i.e. power point presentation)) were checked by the validation team. <i>Conclusion:</i> The project complies with the requirements and local stakeholder process is deemed adequate.		
F. Others				
F.1. Definition of Roles				
F.1.1. Does the section A.3 of the PoA-DD include an identification of the coordinating/ managing entity (a private or public entity), Host Party(ies) and PoA participants? <i>Project participants may or may not be involved in one of the CPAs related to the PoA. The operators of individual CPAs are not required to be project participants. CDM programme participation is only recorded at the PoA level.</i>	/PoA-DD/	<i>Description:</i> Yes. In Section A.3 of the PoA-DD, it is clearly stated that the CME is the private entity Andes Mainstream SpA. <i>Validator's action:</i> The PoA-DD has been checked. <i>Conclusion:</i> There is a clear identification of the CME of the PoA in Section A.3.	OK	OK
F.1.2. Is there any Party directly involved as project participant, and if yes, is that Party's contact details included in annex 1 of the PoA-DD and is the information provided internally consistent with section A.3 of the PoA-DD?	/PoA-DD/	<i>Description:</i> No, there is no party directly involved as PP. <i>Validator's action:</i> The PoA-DD has been checked. <i>Conclusion:</i> There is no party directly involved as PP.	OK	OK
F.2. Approval – Contribution to Sustainable Development <i>The written approval of the parties involved is a</i>				

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<i>mandatory requirement.</i>				
<p>F.2.1. Have written approvals of all parties involved (incl. the CME) been provided to the validation team?</p> <p>(VVS, v. 2.0, § 38)</p> <p><i>Indicate whether a letter of approval has been received, with a clear reference to the supporting documentation.</i></p> <p><i>Indicate whether this letter was provided to the DOE by the project participants or directly by the DNA</i></p>	<p>/dna/ /unfccc/ /IM01/ /IM02/</p>	<p><i>Description:</i> The party involved in the project activity is Chile (Host Party).</p> <p>In accordance with the CDM M&P at the stage of validation a Party involved may or may not have provided its approval at the time of making the PDD public. The approval of the parties involved is required at the time of requesting registration.</p> <p>Currently the PP has requested the LoA for the project activity, but LoA has not been received yet.</p> <p><i>Validator's action:</i> DNA rules have been checked. Interview with PP and CDM consultant.</p> <p><i>Conclusion:</i> The project has not provided the written approval from the Chilean DNA. Hence, CAR F1 has been raised.</p> <p>(CAR F1)</p> <p>At the time of site visit, the LoA is missing. Please provide the letter of approval of the host country.</p>	CAR F1	OK
<p>F.2.2. Are the approvals issued from organizations listed as DNAs on the UNFCCC CDM website?</p> <p>(VVS, v. 2.0, §§ 41)</p> <p><i>Indicate the means of validation employed to assess the authenticity, i.e. in case of doubt whether LoA has been verified with the DNA. Further describe which entity submitted the LoA for validation.</i></p>	/dna/	<p><i>See comments at F.2.1 above.</i></p>	CAR F1	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
F.2.3. Do the written approvals confirm that the corresponding party is a Party to the Kyoto Protocol? (VVS, v. 2.0, § 39(a))	/unfccc/	<i>Description:</i> Chile, the host country, has ratified the Kyoto Protocol on 26 th August 2002. The Chilean DNA assigned for CDM is the “MMA” <i>Validator’s action:</i> Evidenced at UNFCCC website. <i>Conclusion:</i> The project complies with the requirement. However, it is still pending to receive the DNAs LoA, see CAR F1	CAR F1	OK
F.2.4. Do the written approvals confirm that the participation is voluntary? (VVS, v. 2.0, § 39(b))	/dna/	<i>See comments at F.2.1 above.</i>	CAR F1	OK
F.2.5. Does the written approval from the host country confirm that the project contributes to the sustainable development in the country? (VVS, v. 2.0, § 39(c))	/dna/	<i>See comments at F.2.1 above.</i>	CAR F1	OK
F.2.6. Do the written approvals refer to the precise project title in the PoA-DD submitted for registration or an additional specification of the project activity, e.g. PoA-DD version number? (VVS, v. 2.0, §§ 39(d))	/dna/	<i>See comments at F.2.1 above.</i>	CAR F1	OK
F.2.7. Are the written approvals unconditional with regard to F.2.3 to F.2.6? (VVS, v. 2.0, § 40)	/dna/	<i>See comments at F.2.1 above.</i>	CAR F1	OK
F.2.8. Is the information regarding the project	/PoA-	<i>Description:</i> Yes, as stated at section A.3 and in Annex 1, the project	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
participants listed in tabular form in the PoA-DD and is internally consistent with the information provided in the section that contains the contact information of the project participants? (VVS, v. 2.0, § 46)	DD/	participant is Andes Mainstream SpA. <i>Validator's action:</i> The PoA-DD has been checked. <i>Conclusion:</i> The information regarding project participant is consistent.		
F.2.9. Are all project participants listed in the PoA-DD approved at least by one Party involved? (VVS, v. 2.0, § 45) <i>Indicate whether the participation of the project participant(s) has been approved by a Party to the Kyoto Protocol.</i> <i>Describe the means of validation employed to draw this conclusion.</i>	/dna/	<i>See comments at F.2.1 above.</i>	CAR F1	OK
F.2.10. Are any other project participants than those authorized as project participants listed in the PoA-DD? (VVS, v. 2.0, § 47)	/PoA-DD/	<i>Not applicable as there is no other project participant.</i>	N/A	N/A
F.3. Modalities of Communication Statement <i>A due diligence on the Modalities of Communication statement in accordance with the requirements established in the VVS is mandatory.</i>				
F.3.1. Has a valid Modalities of Communication (MoC) been provided to the validation team	/PoA-DD/	<i>Description:</i> The project participant involved in the project activity is Andes Mainstream SpA.	CAR F2	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p>from a project participant with whom the DOE has a contractual relationship? (VVS, v. 02, § 55)</p> <p><i>Indicate whether a MoC has been received, with a clear reference to the contractual relationship of the project participant with the DOE.</i></p>		<p>In accordance with the CDM M&P at the stage of validation the MoC may or may not have provided. The MoC is required at the time of requesting registration.</p> <p>Currently the PP has requested the LoA for the project activity and therefore is waiting for the host country approval before issuing the MoC.</p> <p><i>Validator's action:</i> Interview with PP and CDM consultant.</p> <p><i>Conclusion:</i> The project has not provided the signed MoC. Hence, CAR F2 has been raised.</p> <p>(CAR F2) At the time of site visit, the MoC statement is missing. Please provide the Modalities of Communication statement for the PoA.</p>		
<p>F.3.2. Has the MoC been signed by a duly authorized person on behalf of the respective project participant? (VVS, v. 2.0, §§ 54, 56)</p> <p><i>Please Indicate how the personal and corporate identities of all project participants and focal points included in the MoC statement have been validated,:</i></p>		<p>The personal and corporate identities of all project participants and focal points included in the MoC were validated by:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Directly checking evidence for corporate and personal entity <input type="checkbox"/> Notarized documentation <input type="checkbox"/> Written confirmation from the project participant that all corporate and personal details are accurate and valid. , including specimen signatures and employment status of their signaries whether a letter of approval has been received, with a clear reference to the supporting documentation <p>CAR F2 was raised, please refer to it.</p>	CAR F2	OK
<p>F.3.3. Has the MoC statement correctly been completed?</p>		<ul style="list-style-type: none"> <input type="checkbox"/> The latest version of the form (F-CDM-MOC) has been used <input type="checkbox"/> Annex 1 of the MoC is correctly completed 	CAR F2	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
(VVS, v. 2.0, §§ 59, 60)		<input type="checkbox"/> The project participants' authorized signatories signing the MoC are also listed in Annex 1 of the MoC. CAR F2 was raised, please refer to it.		
F.3.4. Does the MOC confirm that the Coordinating/managing entity of the PoA communicates with the Board, and is the information in the MoC on all Project participants consistent with the PoA-DD? <i>Procedures for modalities of communication between project participants and the Executive Board shall apply, with the exception that the coordinating/managing entity shall be either sole or joint focal point for each area of communication. The limit of joint focal points for the programme shall be 5, or equal to the number of host Parties if greater than 5.</i>		<i>Description:</i> CAR F2 was raised, please refer to it. <i>Validator's action:</i> CAR F2 was raised, please refer to it. <i>Conclusion:</i> CAR F2 was raised, please refer to it..	CAR F2	OK
F.4. Project documentation editorial aspects <i>The PoA-DD and the CPA-DD used as a basis for validation shall be prepared in accordance with the latest template and guidance from the CDM Executive Board available on the UNFCCC CDM website.</i>				
F.3.1. Have the latest versions of the PoA-DD and the CPA-DD form been applied? (VVS, v. 2.0, § 62)	/unfccc/ /PoAD D-T/	<i>Description:</i> Yes, it has been used the version 02.0 of CDM-PoA-DD. No deviations thereof have been observed. <i>Validator's action:</i> The website of the UNFCCC was checked. <i>Conclusion:</i> The latest PoA-DD template has been used.	OK	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
<p>F.3.2. Have the PoA-DD and the generic CPA-DD been duly filled in accordance with the latest guidance(s)?</p> <p>(VVS, v. 2.0, § 63)</p>	<p>/PoA-DD/ /unfccc/ /GCP/</p>	<p><i>Description:</i> Some sections of the PoA-DD and the generic CPA-DD have not been completely filled in accordance with the latest guidance(s). Hence, CL F3 was raised.</p> <p><i>Validator's action:</i> The PoA-DD has been checked by the validation team.</p> <p><i>Conclusion:</i> The PoA-DD has not been completely filled in accordance with the latest guidance. Hence, CL F3 was raised.</p> <p>(CL F3)</p> <p>The following editorial issues have been identified in the PoA-DD and the generic CPA-DD:</p> <ol style="list-style-type: none"> 1. Last paragraph of sub-step 1A, section B.1 (page 5) it is not clear. 2. In table 2 (page 6) the "operating hours in the year" have not been specified. Furthermore Plant Load Factor is also missing in table 2. 3. Step 4, section B.1 (page 7) the number "100" is not applicable. 4. Table 6 (page 15) the text "geodesic coordinates" is not correct. 5. Section B.5, Substep 2b of the generic CPA-DD does not specify if a post-tax or pre-tax benchmark is applied. 6. Section B.5, Substep 2c, table 7 of the generic CPA-DD, does not include the PLF value. 7. Page 34 of the generic CPA-DD the sentence "Finally the Combined Margin Emission Factor of the grid..." is not 	CL F3	OK

Checklist Item (incl. guidance for the validation team)	Reference	Validation Team Comments (justification and substantiation of information, data and evidences)	Draft Concl.	Final Concl.
		<p>correct.</p> <p>8. Page 34 and page 38 the units of the BM are missing</p> <p>9. In the generic CPA-DD, step 4 of the common practice analysis does not include the calculation of $N_{all}-N_{diff}$</p>		

ANNEX 2: ASSESSMENT OF APPLICABILITY CRITERIA

Table A-2: Assessment of Applicability Criteria (VVS, v. 2.0 §§ 70 – 76)

Applicability Criteria	Evidence used	met	not met	N/A	Assessment of validation team (results and means of assessment)
For grid-connected renewable power generation project activities that (a) install a new power plant at a site where no renewable power plant was operated prior to the implementation of the project activity (greenfield plant); (b) involve a capacity addition; (c) involve a retrofit of (an) existing plant(s); or (d) involve a replacement of (an) existing plant(s).	/PoA-DD/ /ACM02/	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applicability condition is fulfilled, as each CPA consists in the installation of a new wind power plant (Greenfield plant)
The project activity is the installation, capacity addition, retrofit or replacement of a power plant/unit of one of the following types: hydro power plant/unit (either with a run-of-river reservoir or an accumulation reservoir), wind power plant/unit, geothermal power plant/unit, solar power plant/unit, wave power plant/unit or tidal power plant/unit.	/PoA-DD/ /ACM02/	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applicability condition is fulfilled, as each CPA consists in the installation of a new wind power plant (Greenfield plant)

In case of capacity additions, retrofits or replacements (except for capacity addition projects for which the electricity generation of the existing power plant(s) or unit(s) is not affected): the existing plant started commercial operation prior to the start of a minimum historical reference period of five years, used for the calculation of baseline emissions and defined in the baseline emission section, and no capacity expansion or retrofit of the plant has been undertaken between the start of this minimum historical reference period and the implementation of the project activity.	/PoA-DD/ /ACM02/	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not applicable as the proposed PoA considers only that each CPA consists in the installation of a new wind power plant (Greenfield plant)
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<p>In case of hydro power plants:</p> <ul style="list-style-type: none"> At least one of the following conditions must apply: <ul style="list-style-type: none"> The project activity is implemented in an existing single or multiple reservoirs, with no change in the volume of any of the reservoirs; or The project activity is implemented in an existing single or multiple reservoirs, where the volume of any of reservoirs is increased and the power density of each reservoir, as per the definitions given in the Project Emissions section, is greater than 4 W/m² after the implementation of the project activity; or The project activity results in new single or multiple reservoirs and the power density of each reservoir, as per the definitions given in the Project Emissions section, is greater than 4 W/m² after the implementation of the project activity. 	/PoA-DD/ /ACM02/	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not applicable as the proposed PoA is based in wind-based sources.
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<p>In case of hydro power plants using multiple reservoirs where the power density of any of the reservoirs is lower than 4 W/m² after the implementation of the project activity all the following conditions must apply:</p> <ul style="list-style-type: none"> ○ The power density calculated for the entire project activity using equation 5 is greater than 4 W/m²; ○ All reservoirs and hydro power plants are located at the same river and were designed together to function as an integrated project that collectively constitutes the generation capacity of the combined power plant; ○ The water flow between multiple reservoirs is not used by any other hydropower unit which is not a part of the project activity; ○ The total installed capacity of the power units, which are driven using water from the reservoirs with a power density lower than 4 W/m², is lower than 15MW; ○ The total installed capacity of the power units, which are driven using water from reservoirs with a power density lower than 4 W/m², is less than 10% of the total installed capacity of the project activity from multiple reservoirs. 	/PoA-DD/ /ACM02/	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not applicable as the proposed PoA is based in wind-based sources.
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<p>The methodology is not applicable to the following:</p> <ul style="list-style-type: none"> ○ Project activities that involve switching from fossil fuels to renewable energy sources at the site of the project activity, since in this case the baseline may be continued use of fossil fuels at the site; ○ Biomass fired power plants; ○ A hydro power plant that results in the creation of a new single reservoir or in the increase in an existing single reservoir where the power density of the reservoir is less than 4 W/m² 	/PoA-DD/ /ACM02/	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applicability condition is fulfilled. The PoA does not involve fuel switch; biomass fired power plants and it is not hydro power plants.
<p>In the case of retrofits, replacements, or capacity additions, this methodology is only applicable if the most plausible baseline scenario, as a result of the identification of baseline scenario, is 'the continuation of the current situation, i.e. to use the power generation equipment that was already in use prior to the implementation of the project activity and undertaking business as usual maintenance.</p>	/PoA-DD/ /ACM02/	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not applicable as the proposed PoA considers only that each CPA consists in the installation of a new wind power plant (Greenfield plant)

ANNEX 3: ASSESSMENT OF BASELINE IDENTIFICATION

Table A-3: Assessment of Baseline Identification (VVS, v. 2.0 §§ 88 – 95)

<input checked="" type="checkbox"/>	Baseline is pre-defined by the methodology
<input type="checkbox"/>	Assessment of baseline see below

Baseline Alternatives identified	In line with the Methodology?	Eliminated	Reasons for elimination / non-elimination from list of alternatives	Evidence used	DOE Assessment	
					Appropriateness of elimination	Assessment of validation team (results and means of assessment)

ANNEX 4: ASSESSMENT OF FINANCIAL PARAMETERS

Table A-4: Assessment of Financial Parameters (VVS, v. 2.0, §§ 120, 121 / in case financial parameters stem from FSR §122,)

<input checked="" type="checkbox"/>	No financial parameters are used for additionality justification at PoA level. The additionality is assessed at CPA level.					
<input type="checkbox"/>	Assessment of all financial parameters see below					
Parameter	Value applied	Unit	Source of Information (please indicate document and page)	Reference	DOE ASSESSMENT	
					Correctness of value applied	Comment

The assessment of financial parameters shall be done at CPA level.

ANNEX 5: ASSESSMENT OF BARRIER ANALYSIS

Table A-5: Assessment of Barrier Analysis (VVS, v. 2.0, §§ 124-127)

<input checked="" type="checkbox"/>	No barrier parameters are used for additionality justification			
<input type="checkbox"/>	As per additionality justification at CPA level			
<input type="checkbox"/>	Assessment of barriers see below			
Kind of Barrier (invest, tech, other)	Description of Barrier	Evidence used	Assessment of validation team	
			Appropriateness of information source	Explanation of final result

ANNEX 6: OUTCOME OF THE GSCP

Table A-6: Outcome of the Global Stakeholder Consultation Process

(VVS Version 2.0, §§ 34- 37)

<input checked="" type="checkbox"/>	No comments were received during the global stakeholder consultation period					
<input type="checkbox"/>	Comments were received during the global stakeholder consultation period. The comments (in unedited form) and the consideration/response of the validation team are presented below:					
Comment No.:	Comment by:	Inserted on:	Subject	Comment ^{*)}	Action taken by the validation team to take due account on the comment ^{*)}	Conclusion (incl. CARs CLs or FARs)

^{*)} In case clarifications have been requested by the validation team corresponding rows shall be added

ANNEX 7: ELIGIBILITY CRITERIA ASSESSMENT

Table A-7: Assessment on Eligibility Criteria for inclusion of CPAs under this PoA

A full list shall be included in section B.2 of the PoA-DD and B.5 of the generic CPA-DD.

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
a)	The geographical boundary of the CPA including any time-induced boundary consistent with the geographical boundary set in the PoA.	The CPA must be located within the boundaries of Chile and the CPA shall be grid connected to the SIC or SING national electricity grids.	<p>The CPA developer will provide one of the above documentation:</p> <ul style="list-style-type: none"> • The Environmental Impact Study or Environmental Impact Statement presented by the CPA project developer to the Chilean Environmental Authority; or • The Environmental Approval; or • The latest documentation 	☒	<p>The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with Paragraph 14 (a) of PoA Standard (EB 65 Annex 3). The condition has to be fulfilled as per CDM requirements and Chilean electric sector framework.</p> <p>In addition, it is verifiable, objective and comprehensive, as the Environmental Impact Study, the Environmental Impact Statement, the Environmental Approval and other documentation from the Chilean Environmental Authority are official and public.</p>

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
			<p>approved by the Chilean Environmental Authority;</p> <ul style="list-style-type: none"> In cases where it is not necessary to apply a Study or Statement, the technical project documentation/description presented by the CPA project developer to the Chilean Environmental Authority in order to obtain the letter of pertinence. 		
b)	Conditions that avoid double counting of emission reductions like unique identifications of product and end-user locations (e.g. programme logo).	The grid-connected power plant of the proposed CPA (identified by its name, GPS coordinates of the project outline and installed capacity) should not be part of another CDM project to	Written confirmation from the CPA project developer stating that the CPA project activity is not registered, or in the process of being registered, as a CDM project activity	☒	<p>The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with Paragraph 14 (b) of PoA Standard (EB 65 Annex 3). The condition has to be fulfilled as per the CDM requirements and PoA Standard.</p> <p>In addition, it is verifiable, objective and comprehensive, as the specific project information (name of the project, GPS coordinates and installed capacity) provided by the CPA to a written confirmation will be used to check other GHG</p>

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
		insure that double counting of emission reductions is being avoided.	nor a CPA under another PoA. The confirmation document will include the following information: name of the project, GPS coordinates and installed capacity.		programs and confirm that the project is not part of another GHG project.
c)	The specifications of technology/measure including the level and type of service, performance specifications including compliance with testing/certifications.	The CPA shall consist in a greenfield power plant that employs wind energy source for grid-connected electricity generation.	The CPA developer will provide one of the above documentation to justify that the technology/measure of the CPA is in line with the PoA: • The Environmental Impact Study or Environmental Impact Statement presented by the CPA project developer to the Chilean Environmental	<input checked="" type="checkbox"/>	The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with Paragraph 14 (c) of PoA Standard (EB 65 Annex 3). The condition has to be fulfilled as per the applied methodology applicability conditions, CDM requirements and Chilean electric sector framework. In addition, it is verifiable, objective and comprehensive, as any electricity project in Chile has to be authorized by the Chilean Environmental Authority through an Environmental Impact Study, or an Environmental Impact Statement, or other documentation from the Chilean Environmental Authority. All these documents are official and public. Furthermore, the information from data banks or governments so as third party studies for the project plant load factor are considered official data. Therefore, this is also considered verifiable, objective and comprehensive.

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
			<p>Authority; or</p> <ul style="list-style-type: none"> • The Environmental Approval; or • The latest documentation approved by the Chilean Environmental Authority; • In cases where it is not necessary to apply a Study or Statement, the technical project documentation/description presented by the CPA project developer to the Chilean Environmental Authority in order to obtain the letter of pertinence. <p>In addition to the above, the documentation to</p>		

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
			<p>define the plant load factor will be provided which can be one of the following:</p> <ul style="list-style-type: none"> • Data provided to banks and/or equity financiers while applying the CPA for project financing, or to the government while applying the project activity for implementation approval • The plant load factor determined by a third party contracted by the project participants (e.g. an engineering company). 		
d)	Conditions to check the start date of the CPA through documentary	Start date of the CPA must be informed by the	In case the start date has occurred	<input checked="" type="checkbox"/>	The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with Paragraph 14 (d) of PoA

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
	evidence.	<p>project developer, and shall be determined as the earliest date at which either the implementation or construction or real action of the CPA begins (i.e. civil works, wind turbines or other relevant contract is signed).</p> <p>The CME will verify that the start date of the CPA is not prior to the commencement of the validation of the PoA, which is the date the CDM-PoA-DD is first published for global stakeholder consultation (25th of May 2012).</p>	<p>the CPA developer will provide the required evidences which could be:</p> <ul style="list-style-type: none"> • Signed turbine supply contract • Purchase order of equipment • Signature of PPA • Other relevant documentation. 		Standard (EB 65 Annex 3). The condition has to be fulfilled as per PoA requirements to ensure that no CPA starts before the PoA validation (EB 55, Annex 38 § 7 (d)).
e)	Conditions that ensure compliance with applicability and other requirements of single or multiple methodologies applied by CPAs.	CPA must be in compliance with the applicability conditions as well as other requirements of the ACM0002 v.13.0.0	The CPA developer will provide one of the above documentation to justify that the applicability	<input checked="" type="checkbox"/>	<p>The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with Paragraph 14 (e) of PoA Standard (EB 65 Annex 3). The condition has to be fulfilled as per CDM requirements.</p> <p>In addition, it is verifiable, objective and comprehensive, as</p>

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
		<p>methodology. No other methodologies will be used.</p> <p>The CME will verify that the CPA is the installation of a grid-connected wind power generation plant at a site where no power plant was operated prior to the implementation of the project activity (ie. greenfield wind farm).</p>	<p>conditions of methodology ACM0002 V13.0 are fulfilled:</p> <ul style="list-style-type: none"> • The Environmental Impact Study or Environmental Impact Statement presented by the CPA project developer to the Chilean Environmental Authority; or • The Environmental Approval; or • The latest documentation approved by the Chilean Environmental Authority; • In cases where it is no necessary to apply a Study or Statement, the 		<p>the project has to fulfill all applicability conditions of ACM0002 and related tools which are available at UNFCCC website and that have to have been approved by the EB.</p>

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
			technical project documentation/description presented by the CPA project developer to the Chilean Environmental Authority in order to obtain the letter of pertinence.		
f)	The conditions that ensure that CPAs meet the requirements pertaining to the demonstration of additionality" as specified in Section B.5 of the PoA-DD.	<p>Additionality must be demonstrated according to the ACM0002 v.13.0.0 methodology and the applicable tool "Tool for the demonstration and assessment of additionality" v.06.0.0. Also the "Guidelines for Demonstrating Additionality of Microscale Project Activities" v.03 may be applied for CPA's with an installed capacity up to 5 MW.</p> <p>Additionality will be</p>	<p>For Microscale projects the CPA developer will provide the project technical data to justify that the installed capacity is not higher than 5MW.</p> <p>For CPAs with an installed capacity higher than 5 MW, the CPA project developer will provide the following documentation:</p>	☒	The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with Paragraph 14 (f) of PoA Standard (EB 65 Annex 3). The condition has to be fulfilled as per CDM requirements. It is a verifiable, objective and comprehensive, as the additionality of the project has to be assessed against "Tool for the demonstration and assessment of additionality" and/or "Guidelines for Demonstrating Additionality of Microscale Project Activities" available at UNFCCC website and that have to have been approved by the EB.

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
		demonstrated at the CPA level, as described in section B.1 of this PoA-DD.	<ul style="list-style-type: none"> Economic evaluation with complete data source Approval from the CME 		
g)	The PoA-specific requirements stipulated by the CME including any conditions related to undertaking local stakeholder consultations and environmental impact analysis.	<p>The CPA must count with its Environmental Impact Study or Environmental Impact Statement properly approved by the environmental authority when applicable or if not, a letter of pertinence from the national authority in this matter where it is stated that the project doesn't have to enter the environmental impact system, before the CPA is registered.</p> <p>The local stakeholder consultations must be undertaken at CPA level.</p>	<p>The CPA developer will provide one of the above documentation to justify that the environmental impact analysis are fulfilled:</p> <ul style="list-style-type: none"> The Environmental Impact Study or Environmental Impact Statement properly approved by the environmental authority; or The letter of pertinence from the national authority in this 	☒	<p>The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with Paragraph 14 (g) of PoA Standard (EB 65 Annex 3). The condition has to be fulfilled as per the Chilean environmental legislation and the CDM standard.</p> <p>In addition, it is verifiable, objective and comprehensive, as any electricity project in Chile has to present an Environmental Impact Study or Environmental Impact Statement or similar environmental study which documents are official and public.</p>

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
		The minimum requirements are to invite representative local stakeholders (neighbors, local authorities, etc..) to participate in an instance where the project CPA is described and the CDM consideration is informed. The comments of the stakeholders shall be taken into account.	<p>matter where it is stated that the project doesn't have to enter the environmental impact system</p> <p>In addition, the CPA developer will provide the detail documentation of the local stakeholders consultation performed, among these are:</p> <ul style="list-style-type: none"> • Invitations • Photographs • Attendance lists • Records of comments and answers 		
h)	Conditions to provide an affirmation that funding from Annex I parties, if any, does not result in a diversion of official	The CPA project developer must confirm in writing that no Official Development Aid will be	Written confirmation from the CPA project developer stating that the no	<input checked="" type="checkbox"/>	The PoA-DD sets the eligibility criterion for inclusion of the CPAs in order to conform to the requirements of EB 55, Annex 38 § 6, PoA Standard and CDM guidelines regarding the diversion and use of official development

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
	development assistance.	involved or diverted in the project confirming that the CPA does not receive public funding from Annex I parties.	Official Development Aid will be involved or diverted in the project.		assistance (<i>Marrakech Accords</i>) (EB 65, Annex 3 - Paragraph 14 (h)). In addition, it is verifiable, objective and comprehensive, as the DD itself shall contain this information.
i)	Target group (e.g. domestic/commercial/industrial, rural/urban, grid-connected/off-grid) and distribution mechanisms (e.g. direct installation)	The target group of the CPAs shall be grid connected users or companies and the distribution mechanism corresponds to the SIC or SING grid as applicable.	<p>The CPA developer will provide one of the above documentation:</p> <ul style="list-style-type: none"> • The Environmental Impact Study or Environmental Impact Statement presented by the CPA project developer to the Chilean Environmental Authority; or • The Environmental Approval; or • The latest documentation approved by the Chilean Environmental 	☒	<p>The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with Paragraph 14 (i) of PoA Standard (EB 65 Annex 3). The condition has to be fulfilled as per the CDM requirements and Chilean electric sector framework.</p> <p>In addition, it is verifiable, objective and comprehensive, as any electricity project in Chile has to be authorized by the Chilean Environmental Authority which documents are official and public.</p>

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
			Authority; <ul style="list-style-type: none"> In cases where it is not necessary to apply a Study or Statement, the technical project documentation/description presented by the CPA project developer to the Chilean Environmental Authority in order to obtain the letter of pertinence. 		
N/A	Where applicable, the conditions related to sampling requirements for a PoA in accordance with the approved guidelines/standard from the Board pertaining to sampling and surveys.	Not applicable to the proposed PoA.			
j)	Conditions that ensure that every CPA in aggregate meets the small-scale or microscale threshold criteria and remains within those thresholds	Microscale CPAs will have an installed capacity up to 5MW and will demonstrate additionality as it is	Only for CPA's that will apply as microscale project activities. The CPA developer will	<input checked="" type="checkbox"/>	The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with Paragraph 14 (k) of PoA Standard (EB 65 Annex 3). The condition has to be fulfilled as per CDM requirements. Only the microscale threshold will be evaluated as the

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
	throughout the crediting period of the CPA;	<p>mentioned in section B.1 of this PoA for this type of projects.</p> <p>This information will be checked and approved by the CME and notified to the CPA developer.</p> <p>Small scale CPAs (with an installed capacity between 5 to 15 MW) will apply the large scale modalities of procedure and therefore according to Validation and Verification Standard, EB 65, the small scale thresholds criteria is not applicable.</p>	<p>provide one of the above documentation to justify that the installed capacity is not higher than 5 MW:</p> <ul style="list-style-type: none"> • The Environmental Impact Study or Environmental Impact Statement presented by the CPA project developer to the Chilean Environmental Authority; or • In cases where it is not necessary to apply a Study or Statement, the technical project documentation/description presented by the CPA project developer to the Chilean 		<p>small scale project activities will apply the large scale modalities of procedure.</p> <p>It is a verifiable, objective and comprehensive, as the threshold criteria of the project has to be assessed against the procedures available at UNFCCC website and that have to have been approved by the EB.</p>

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
			Environmental Authority in order to obtain the letter of pertinence. In addition, the CME approval will be provided.		
k)	The requirements for the debundling check, in case CPAs belong to small-scale (SSC) or microscale project categories	The requirements for the debundling check shall be verified just in case CPAs belong to microscale project categories. The debundling will be checked considering the “Guidelines on assessment of debundling for SSC project activities” version 03.0, EB 54. This information will be checked and approved by the CME and notified to the CPA developer.	The CPA will provide the analysis and approval issued by the CME of the PoA.	<input checked="" type="checkbox"/>	The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with Paragraph 14 (I) of PoA Standard (EB 65 Annex 3). The condition has to be fulfilled as per CDM requirements. Only the microscale projects will be evaluated as the small scale project activities will apply the large scale modalities of procedure. It is a verifiable, objective and comprehensive, as the threshold criteria of the project has to be assessed against the procedures available at UNFCCC website and that have to have been approved by the EB.
l)	Condition to ensure that the CPA crediting period does not exceed	The CPA crediting period shall not exceed	The CPA project developer shall specify in section	<input checked="" type="checkbox"/>	The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with EB 55, Annex 38 § 7 (c). The condition has to be fulfilled as per the PoA requirements to

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
	the length of the PoA	the length of the PoA. The CME will check this information considering the starting date informed by the CPA according to criteria (d) shown above.	A.9 of the CPA-DD, that the crediting period does not exceed the length of the PoA.		ensure that each CPA cannot exceed the lifetime of the PoA. The verifiable evidence set by the CME is deemed sufficient to fulfill the criterion and requirements of the PoA standard (EB 65, Annex 3 - Paragraph 14 (l)). In addition, it is verifiable, objective and comprehensive, as the PDDs itself shall contain this information.
m)	Conditions to ensure that the monitoring of the CPA meets the PoA criteria.	Confirm that the CPA will be monitored according to the procedures stated in section B.7 of the generic CPA. The CPA shall confirm in writing to the CME that the net energy generation will be monitored considering meters that comply with the national regulation (as detailed in section B.7.2 of the PoA-DD part II) and that will be installed just to measure the net energy generation of the CPA	Written confirmation from the CPA project developer stating that the CPA will be monitored according to the procedures stated in section B.7 of the generic CPA and that the net energy generation will be monitored considering meters that comply with the national regulation and that will be installed just to measure the net energy generation of the CPA	☒	The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with PoA Standard, methodology applicability and CDM requirements of EB 55, Annex 38. The condition set out have to be fulfilled by the CPA proponents and approved by the Coordinating/ Managing entity (CME) in accordance with entity requirements. In addition, all requirements and procedures shall be validated by an appointed and accredited DOE. In addition, it is verifiable, objective and comprehensive, as all means that will be used by the CME are official and public.

PP Demonstration				DOE Assessment	
Nr.	Eligibility Criteria	Further Elaboration	Minimum Expected Evidence(s) to be provided during CPA inclusion	Appropriate and sufficient	Explanation of final result
		(not including any other generation plant).			
n)	<p>Conditions to ensure the awareness and agreement for the CPA project developer of:</p> <ul style="list-style-type: none"> - participating in the PoA. - ownership of the CERs. 	<p>A contract will be sign between the CME and the CPA project developer. This contract will stated that the CPA project developer is aware and agreed to participate in the PoA and also the agreement associated to the CER distribution.</p>	<p>Contract signed between the CPA developer and the CME</p>	☒	<p>The PoA-DD sets the eligibility criterion for inclusion of the CPAs in accordance with EB 55, Annex 38 § 6 (i) . The condition has to be fulfilled to ensure CPA project developers are aware of participation and the framework agreement in compliance with CME and CDM requirements.</p>

ANNEX 8: STATEMENTS OF COMPETENCE OF INVOLVED PERSONNEL**Statement of Competence**Appointment and authorization according to the procedures
of the TÜV NORD JI/CDM Certification Program**Mr. Raul Gonzalez Mitre**

SCHEME	STATUS	VALID UNTIL
CDM	Senior Assessor (Validation, Verification)	2015-06-27
VCS / ISO 14064-2	Senior Assessor	2015-06-27

Authorization status for technical areas within sectoral scopes:

CODE	TECHNICAL AREA
1.2	Renewable Energies
13.1	Waste handling and disposal

082 - Rev. 4, Date: 2012-08-16

082_S01-F003_2012-08-16_rev4.doc

S01-F003 rev2 / 2012-04-05

**Statement of Competence**Appointment and authorization according to the procedures
of the TÜV NORD JI/CDM Certification Program**Mr. Abraham Garza Alvarez**

SCHEME	STATUS	VALID UNTIL
CDM	Assessor (Validation, Verification)	2015-03-01
VCS	Assessor	2015-03-01

Authorization status for technical areas within sectoral scopes:

CODE	TECHNICAL AREA
1.2	Renewable Energies
3.1	Energy Demand
4.1	Cement Sector
13.1	Waste Handling and Disposal

235 – Rev. 3, Date: 2012-03-02

235_S01-F003_2012-03-02_rev3.doc

S01-F003 rev1 / 2011-08-02

**Statement of Competence**Appointment and authorization according to the procedures
of the TÜV NORD JI/CDM Certification Program**Mr. Emilio Martin**

SCHEME	STATUS	VALID UNTIL
CDM	Lead Assessor (Validation, Verification) Technical Reviewer	2013-11-30
VCS	Lead Assessor Technical Reviewer	2013-11-30

Authorization status for technical areas within sectoral scopes:

CODE	TECHNICAL AREA	TR SUBCATEGORIES
1.2	Renewable Energies	1.2.1 Hydro 1.2.2 Wind 1.2.3 Geothermal 1.2.4 Solar 1.2.5 Tidal
13.1	Waste handling and disposal	13.1.1 Waste management 13.1.2 Waste water management

157 – Rev. 2, Date: 2011-08-10

157_S01-F003_2011-08-10_rev2

S01-F003 rev1 / 2011-08-02



Statement of Competence

Appointment and authorization according to the procedures
of the TÜV NORD JI/CDM Certification Program

Ms. Susanne Pasch

SCHEME	STATUS	VALID UNTIL
CDM	Lead Assessor (Validation, Verification) Technical Reviewer	2015-09-20
JI	Lead Assessor Technical Reviewer	2015-09-20
VCS / ISO 14064-2	Lead Assessor Technical Reviewer	2015-09-20

174 – Rev. 2, Date: 2012-09-21

174_S01-F003_2012-09-21_rev2.doc

S01-F003 rev2 / 2012-04-05



Statement of Competence

Appointment and authorization according to the procedures
of the TÜV NORD JI/CDM Certification Program

Ms. Alexandra Nebel

SCHEME	STATUS	VALID UNTIL
CDM	Senior Assessor (Validation, Verification) Technical Reviewer	2014-08-24
JI	Senior Assessor Technical Reviewer	2014-08-24
VCS	Senior Assessor Technical Reviewer	2014-08-24

Authorization status for technical areas within sectoral scopes:

CODE	TECHNICAL AREA
14.1	Forestry

095 – Rev. 3, Date: 2011-08-25

095_S01-F003_2011-08-25_rev3

S01-F003 rev0 / 2010-04-19